Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS—STEAM AND ELECTRIC

Maine—Maine Central R.R.—This company, according to press reports, contemplates the extension of its line from Skowhegan to Norridgewock. B. T. Wheeler, Portland, Maine, is Ch. Engr.

Connecticut—Meriden, New Britain & Hartford Ry.—This company plans to start work soon on the extension of its electric railway, by another route, from Meriden to Hartford. Noted Apr. 1.

Pennsylvania—Eastern Pennsylvania Rys. Co.—Press reports state that this company plans to build two miles of track between Pottsville and St. Clair. W. B. Rockwell is Pur. Agt. and Gen. Mgr.

Pennsylvania—Pennsylvania R.R.—This company plans to electrify its Chestnut Hill branch. A. C. Shand, Philadelphia, Penn., is Ch. Engr.

West Virginia—Virginian Ry.—This company contemplates the construction of a 50-mile branch line to the coal fields in Buchanan County, Va. H. Fernstrom, Norfolk, is Ch. Engr.

North Carolina—North Carolina Traction Co.—This company will award contracts about July 1 for the construction of its proposed electric railway from High Point, N. C., via Winston-Salem, to Christiansburg, Va.

South Carolina—Carolina, Atlantic & Western Ry.—Preliminary arrangements are being made by this company to start work soon on the construction of its proposed extension from Charleston, S. C., to Savannah, Ga. William Moncure, Raleigh, N. C., is Ch. Engr. Noted Feb. 4.

Georgia—Waycross St. & Suburban Ry.—Plans are being prepared by this company to start work on the construction of its proposed extension to Gilchrist Park. John S. Walker is Secy. and Treas.

Georgia—Waycross & Western R.R.—This company contemplates the extension of its line from Milltown to Ray's Mill, Ga. E. L. Parker, Waycross, is Pur. Agt.

Georgia—Carolina, Atlantic & Western Ry.—See item under South Carolina.

Florida—The Export Phosphate Co. has completed plans for the construction of a 12-mile railway from Brandon to Tampa, Fla. Noted Apr. 8.

Florida—On account of financial conditions H. S. Laird, Milton, has decided to abandon the project of building an electric railway from Milton to Bagdad.

Florida—Jacksonville & Florida Ry. Co.—This company has completed financial arrangements for the construction of the first section, about 10 miles, of its line between Jacksonville and Providence. A. W. McKinley is Pres. Noted May 20.

Louisiana—Surveys are being for the construction of an electric railway in Gretna, from the intersection of Copernicus Ave. and Front St. to the New Orleans, Southern & Grand Isle Ry. Edward L. Slattery, New Orleans, is interested. Noted May 27.

Tennessee—Nashville, Springfield & Northern R.R.—This company has been organized for the construction of an interurban line from Nashville, Tenn., to Franklin, Ky. E. G. Stribbling, Nashville, is Pres.

✚**Tennessee**—Carolina, Greenville & Northern R.R. Co.—This company has awarded the contract to A. H. JACOBY, Bristol, Tenn., for grading its proposed electric railway from Bristol to Knoxville, Tenn. Noted Feb. 4 and June 3.

Kentucky—Nashville, Springfield & Northern R.R.—See item under Tennessee.

Ohio—The County Commissioners will advertise a franchise to construct an electric railway on State Rd. from the West 25th St. line to Chestnut Hill, Cleveland, Ohio.

Ohio—Cincinnati Traction Co.—This company is having plans prepared for the construction of its proposed extension to Bond Hill. C. Burckmyer is Pur. Agt.

Illinois—Chicago Surface Lines—This company has applied to the City Council in Chicago for a franchise to extend its Chicago Ave. line to the lake. F. C. Evans is Pur. Agt.

Illinois—Quincy & Western Illinois Electric Ry.—The City Council in Quincy has granted this company a three years' extension of time on its franchise in which to build its proposed line between Quincy and Niota.

Illinois—Freeport Ry. & Light Co.—According to press reports this company will soon start work on the extension of its lines on Galena St., Freeport. F. E. Kruesi is Supt.

Wisconsin—Plans are being considered to build an electric railway from Superior to Bayfield. L. E. Davis, Bayfield, is interested.

Kansas—Arkansas Valley Interurban Ry. Co.—This company plans to build an extension of its lines to Salina and one to Winfield, which will have a branch from Mulvane to Wellington.

Montana—Chicago, Milwaukee & St. Paul Ry.—According to press reports, this company will start work about Aug. 15 on the electrification of the balance of its line from Deer Lodge, Mont., to Avery, Idaho. C. F. Loweth, Chicago, Ill., is Ch. Engr. Noted July 30.

Arkansas—A company is being organized for the purpose of constructing a 15-mile interurban railway from Huntsville, Ark., to a connection with the St. Louis & San Francisco R.R.

Arkansas—Plans are being considered for the construction of a railway from Harrison to Jasper and Parthenon, Ark., about 20 miles.

Arkansas—The Chicago Mill & Lumber Co. will soon start work on the construction of its proposed railway from Cotton Plant, Ark., to its mill, about eight miles.

Texas—Houston, Richmond & Western Traction Co.—Preliminary arrangements are being made by this company and work will soon begin on the construction of its proposed line from Houston to Richmond. E. Kennedy, Houston, is interested.

Idaho—Chicago, Milwaukee & St. Paul Ry.—See item under Montana.

Utah—Salt Lake & Utah R.R.—This company plans to extend its interurban line from 14th St. through Hunter Granges, Salt Lake City, about 10 miles. R. M. Mitchell, Salt Lake City, is Pur. Agt.

Arizna—Tucson Rapid Transit Co.—Plans are being considered by this company for the extension of its University Ave. line on Park Ave. to and along the Speedway. Lee Skipwith is Pur. Agt.

Oregon—The American Timber Co., St. Helens, Ore., will construct a logging railway to its timber lands at Deer Island.

Oregon—At a recent election the citizens of Roseburg, Ore., voted to issue $300,000 in bonds, the proceeds to be used for the construction of a railway from Roseburg to the boundary of the Cascade National Forest, about 30 miles. Kendall Bros., Pittsburgh, Penn., is interested. Noted May 6.

New Brunswick—Kent Coal & Ry. Co.—This company has been granted a charter to construct a railway from Rexton to Minto, N. B., and from Rexton to Richibucto Head. Inches & Hazen, Fredericton, N. B., is interested. Noted Apr. 29.

Ontario—Surveys have been completed by the Hydro-Electric Power Commission for the construction of the proposed railway from Toronto to Montreal and Ottawa.

Ontario—The Hydro-Electric Power Commission is having plans prepared for the construction of a radial railway to run north and west of London, Ont., for 60 miles.

LIGHT, HEAT AND POWER

Portland, Maine—The Cumberland County Power & Light Co., Portland, will build a transmission line from North Gorham to Sebago Lake, thence to North Standish, a distance of six miles. A. H. Ford, Portland, is Gen. Mgr.

Manchester, N. H.—The Manchester Traction, Light & Power Co. plans to establish a steam power plant at Kelley's Falls, a substation of the Garvin Falls plant, and will extend a high-tension transmission line to Manchester. A 10,000-hp. steam turbine and generator will be installed. J. Brodie Smith, Manchester, is Vice-Pres. and Gen. Mgr. of the company.

Petersham, Mass.—It is reported that the Athol Gas & Electric Co. will extend its transmission lines from Athol to Petersham if sufficient business is guaranteed. The estimated cost of building the line and installing a distribution system is estimated at from $10,000 to $15,000. George MacKnight, Athol, is Supt. and Ch. Engr.

South Hadley, Mass.—Bids will be received until 8 p.m., June 21, by the Board of Electric Light Commissioners for a quantity of electrical apparatus, including a 75-hp. Ball steam engine, three generators, exciters, switches, etc.

Buffalo, N. Y.—Bids are being received by Lansing, Bley & Lyman, Arch., Prudential Bldg., for the construction of a power plant and service building for the Children's Hospital. Mrs. Bernard Barton, Bryant St. and Oakland Pl., is Supt.

Ithaca, N. Y.—Green & Wicks, Arch., 110 Franklin St., Buffalo, is preparing plans for additions to the central heating plant at Cornell University. The estimated cost is $35,000.

New York, N. Y.—(Borough of Brooklyn)—(Official)—See item under "Sewers."

✚**Oswego, N. Y.**—The Diamond Match Co. has awarded the contract for the construction of a new power house in Oswego to PETER REBY. It will be 80x88 ft. with a 235-ft. smokestack. The equipment to be installed includes two 500-hp. boilers with automatic stokers (with space for a third one of the same size), and two 1000-kw. turbo-generators.

✚**Utica, N. Y.**—St. Luke's Hospital has awarded the contract for the construction of a one-story 31x70-ft. boiler house to GRIFFIN & PIERCE, at $6000.

Camden, N. J.—The Public Service Electric Co. has applied to the Public Utilities Commission for permission to lay underground conduits on Market St. and Broadway, Camden.

Jersey City, N. J.—Bids will be received until 3 p.m., June 23, by G. Fred Ege, Secy., Bd. of Education, for electrical equipment for the electrical laboratory at the William L. Dickinson High School.

Kane, Penn.—Press reports state that the United Natural Gas Co. will start work at once on the construction of a 20-in. pipe line from the pump station at Lamont Siding, four miles from Kane, to the testing station at Lewis Run near Bradford. The work will cost approximately $200,000.

✚**Mahoningtown, Penn.**—(Official)—The contract for heating and ventilating equipment for a new school has been awarded to BARNES & CLARK, New Castle, at $13,201; the contract for the plumbing was awarded to R. F. WITHERS & SON at $4000. See item under "Buildings."

Orangeburg, S. C.—An election will be held June 29 to vote on the question of issuing $15,000 in bonds for the improvement of the municipal electric-light plant. Edward Howes is City Engr.

Toccoa, Ga.—At a recent election the citizens voted in favor of a bond issue of $35,000 for the purpose of building a municipal electric-light plant.

Birmingham, Ala.—(Official)—The Board of City Commissioners has directed Julian Kendrick, City Engr., to ascertain the cost of a hydro-electric plant on the Warrior River at Lock No. 17, to be established to furnish light and power for the City of Birmingham.

Henderson, Tenn.—See item under "Water Supply-Irrigation."

Memphis, Tenn.—It is reported that E. H. Crump, Mayor, is agitating the question of building or buying a municipal electric-light plant. It is also stated that a bond issue of $1,500,000 is available for the purpose.

Cleveland, Ohio—Bids will be received until noon, June 25, by the Commissioner of Purchases and Supplies, 511 City Hall, for paper insulated lead-covered cable for the municipal electric-light plant. F. W. Ballard, 1443 East Third St., is Comr. of Light and Heat Dept.

Cleveland Heights, Ohio—(Warrensville post office)—(Official)—Bids will be received until noon, July 6, by Ezra K. Bryan, Clk. of the Bd. of Education, Cleveland Heights village school district, for a heating plant for the new high school and Lee Rd. school buildings, and for mechanical equipment for the Lee Rd. grade school and connecting it with the heating plant.

Dayton, Ohio—It is reported that the Public Utilities Commission has granted permission to the Dayton Power & Light Co. to issue $172,000 in additional capital stock, the proceeds of which will be used to increase the output of the plant from 20,000 to 30,000 hp.

Fremont, Ohio—It is reported that the Sandusky River Power Co. will add an auxiliary steam power house to its plant at a cost of about $500,000.

Calumet, Mich.—It is reported that the Mohawk Mining Co., Calumet, contemplates the construction of an electric-light and power plant.

Three Rivers, Mich.—It is reported that plans have been prepared by George Champe, Consult. Engr., Toledo, Ohio, for a municipal electric-lighting and water plant. A bond issue of $50,000 has been voted for the work.

Oakley, Kan.—See item under "Water Supply-Irrigation."

Davenport, Neb.—According to press reports bids will soon be asked for the construction of a municipal electric-light plant in Davenport. Charles F. Sturtevant, Holdredge, Neb., is Consult. Engr.

Grand Island, Neb.—The Grand Island Electric Co. has received permission from the State Board of Irrigation to construct a hydro-electric plant on the Platte River near Grand Island. The estimated cost of the proposed plant is $55,000. T. H. Fritts is Secy., Mgr. and Cont. Agt. of the Grand Island Electric Co.

Fargo, N. D.—The Union Light, Heat & Power Co. is enlarging and improving its power station, and will install new equipment, including two 1500-kw. steam turbines, two water-tube boilers, a three-unit motor generator set of 600 hp., boiler feed pump, exciters, switchboards, etc. M. L. Hibbard is Mgr.

Miles City, Mont.—It is reported that the City Council is in favor of spending about $10,500 for the extension of the municipal steam heating system. The improvements have been recommended by J. J. McGill, Supt. of the municipal electric-light and power plant.

Charleston, Mo.—The Missouri Public Utilities Co., Cape Girardeau, has been granted a franchise to construct a transmission line from its station in Charleston to East Prairie, a distance of 12 miles, to supply light and power to the latter place.

Kansas City, Mo.—The Big Niangua Hydro-Electric Co., Kansas City, plans to establish a hydro-electric plant on the Big Niangua River. The plans include a reinforced-concrete dam, 1500 ft. long and 160 ft. high, to develop 30,000 hp., and a transmission line 120 miles long. The estimated cost is $2,500,000.

Springfield, Mo.—Local architects and builders have been asked to prepare plans and estimates for the construction of a central lighting and heating plant to serve the business buildings of the city. The contracts of many of the larger buildings with the Springfield Gas & Electric Co. and the Central Heating Co. are about to expire, and if the cost is not too great, the plant will be built this summer. John T. Woodruff, Springfield, is interested.

Brownsville, Tex.—It is reported that the City of Brownsville is considering the sale of the municipal electric-light plant to a company who will also take over the street railway system, and combine the properties. The proceeds of the sale of the light plant will be used to buy the sewerage system. J. W. Davis is City Engr.

Visalia, Calif.—The Mt. Whitney Power & Electric Co. contemplates establishing a hydro-electric plant in the Sequoia National Forest. The estimated cost is $750,000. H. A. Kluegel, Visalia, is Ch. Engr.

New Liverpool, Que.—The city of New Liverpool is reported to be considering the establishment of a new power plant and electric-lighting system. J. Hamelin is Comr.

Brantford, Ont.—The Brantford Gas Co. plans to lay new service mains between Brantford and Hamilton, a distance of 25 miles.

Hamilton, Ont.—It is reported that the Hamilton Hydro-Electric Department will spend about $240,000 during the present year for new construction. J. A. Woodman is Supt.

Peterboro, Ont.—The city contemplates the purchase of a site upon which to establish a new substation. The estimated total cost is $50,000. William Baller is Chn. Bd. of Control.

Kelowna, B. C.—The City Council is considering the installation of a hydro-electric plant at an estimated cost of $120,000. Du Cane, Dutcher & Co., Rogers Bldg., Vancouver, is Consult. Engr.

BRIDGES

✚Enosburg Falls, Vt.—(Official)—The Board of Selectmen has awarded the contract for the construction of a reinforced-concrete bridge over the Missisquoi River at Enosburg Falls to the HYNES CONSTRUCTION CO., Wales, Mass., at $8965. Other bidders were: J. W. Swan & Son, West Bridgewater, $12,500; J. A. Cashman, Burlington, $13,390; C. E. Foley, Barre, $15,183; Concrete-Steel Engineering Co., New York, N. Y., $12,045 (alternate plan). Noted May 27.

Pittsfield, Mass.—The Board of Aldermen has passed an ordinance for an appropriation of $18,000 for the construction of the Longview Terrace Bridge. A. B. Farnham is City Engr.

Springfield, Mass.—Press reports state that the city will advertise at once for bids for the construction of a bridge at Plainfield St. over the tracks of the Boston & Maine R.R. The approximate cost will be $40,000. F. H. Clark is Supt. of Streets and Engineering.

Woonsocket, R. I.—It is reported that the City Council has appropriated $9000 for the construction of two concrete bridges on Clinton St. F. A. Mills is City Engr.

New York, N. Y.—The Public Service Commission has approved an application to the War Department for permission to build a new bridge over the Bronx River at Westchester Ave. The bridge will be built to accommodate the Pelham Bay branch of the new Lexington Ave. subway.

★Scarsdale, N. Y.—(Official)—Bids will be received until 2 p.m., June 29, by William Mercer, Supt. of Highways of the Town of Scarsdale, for the construction of a highway bridge over the tracks of the New York Central R.R. at Popham Rd., Scarsdale. Jay Downer, 100 Broadway, New York, N. Y., is Engr.-in-Charge.

✚Syracuse, N. Y.—(Official)—The City Council has awarded the contract for the construction of a 60-ft. plate girder bridge with concrete slab floor and walks and concrete abutments at Taylor St. to JOHN YOUNG, at $9491. Noted May 13.

✚Bloomingdale, N. J.—The Boards of Chosen Freeholders of Passaic and Morris Counties have awarded the contract for the construction of a bridge between Bloomingdale and Butler on the county line, to the LOGAN CONSTRUCTION CO., 11 Broadway, New York, N. Y., at $7258. Noted Apr. 22.

Camden, N. J.—It is reported that the Pennsylvania R.R. plans to replace its present wooden bridge at 27th St., Camden, with a new reinforced-concrete structure. A. C. Shand, Philadelphia, is Ch. Engr.

★New Gretna, N. J.—(Official)—Bids were received June 9 by the Boards of Chosen Freeholders of Atlantic and Burlington Counties for the construction of a bridge over the Mullica River at Chestnut Neck near New Gretna as follows: Snare & Triest, New York, $83,700; E. L. Bader, Atlantic City, $100,750; Long-Broadhurst Co., Hackensack, $103,343; Penn Bridge Co., Beaver Falls, Penn., $104,000; Lupfer & Remick, Buffalo, N. Y., $79,800; Bridgeton Construction Co., Bridgeton, $109,040; Kelly-McFeeley Co., Camden, $92,000; R. L. Ingersoll, $146,000. The only bid for repairing the old Mullica River Bridge was that of the Kelly-McFeely Co. at $55,000. James Logan, Mt. Holly, is Engr. of Burlington County. Noted May 20.

✚★New Gretna, N. J.—(Official)—The contract for the Mullica River Bridge near New Gretna has been awarded to LUPFER & REMICK, Buffalo, N. Y., at $79,800. See preceding item.

Pine Brook, N. J.—(Official)—Bids will be received until 11:30 a.m., June 28, by the Boards of Chosen Freeholders of Morris and Essex Counties at the Courthouse, Morristown, for rebuilding the bridge over the Passaic River at Pine Brook between the two counties. William E. King, Morristown, is Engr. of Morris County. F. A. Reimer, Newark, is Engr. of Essex County. Noted Nov. 12, 1914.

Trenton, N. J.—The Board of Chosen Freeholders of Mercer County has instructed Theodore Tobish, County Engr., to prepare plans for widening the bridge at Stony Brook on the Trenton-Lawrenceville Rd.

Allentown, Penn.—Bids will be received until 10 a.m., June 28, by Cyrus J. Dilcher, Controller of Lehigh County, for bridge work and repairs. H. C. Weinert is Clk. of County Comrs.

Norristown, Penn.—(Official)—Plans and specifications will be received until noon, June 21, by the Commissioners of Montgomery and Chester Counties for a steel girder and concrete inter-county bridge over the Schuylkill River between Phœnixville and Mont Clare. One hundred dollars will be paid for the plans accepted. John N. Jacobs is Controller of Montgomery County. Isaac Y. Ash is Controller of Chester County. Noted May 20 under Mont Clare, Penn.

Williamsport, Penn.—Bids will be received until noon, June 25, by the Board of Commissioners of Lycoming County for the construction of five stone arches, from 10 to 24 ft. long, three reinforced-concrete bridges, 24- to 40-ft. spans, and for placing steel floor beams and joists and new floor on a 287-ft. bridge. A. P. Zuber is Clk. of Comrs.

✚Suffolk, Va.—The Commissioners of Nansemond County have awarded the contract for the construction of a steel bridge across the Nansemond River to the VIRGINIA BRIDGE & IRON CO., Roanoke, at about $9000. Noted Apr. 15.

Huntington, W. Va.—It is reported that the Chamber of Commerce has appointed a committee to make plans for the construction of a $475,000 bridge across the Ohio River at Huntington. Cabell County, W. Va., and Lawrence County, Ohio, will each pay a portion of the cost. C. P. Snow is Pres. Chamber of Commerce.

✚Marlinton, W. Va.—The County Court of Pocahontas County has awarded the contract for the construction of a concrete bridge across the Greenbrier River at Marlinton to the LUTEN BRIDGE CO., Clarksburg, at about $15,000. It will be a four-span structure.

Williamson, W. Va.—Bids will be received until June 26 by the City Council of Williamson and the Fiscal Court of Pike

County, Pikeville, Ky., for the construction of a bridge across the Tug River. John S. Hall, Williamson, is City Recdr. H. H. Stallards, Pikeville, Ky., is County Judge.

✚Bryson City, N. C.—(Official)—The "Swain Highway Commission" has awarded the contract for a 300-ft. bridge across the Tuckaseigee River to the C. W. REQUATH CO., Charlotte, N. Y., at approximately $9000. Noted erroneously June 3 as Bryson City, N. Y.

✚★Rome, Ga.—(Official)—The Board of Commissioners of Roads and Revenue of Floyd County on June 8 awarded contracts to the HARDAWAY CONTRACTING CO., Columbus, Ga., at $87,000 for the construction of a steel bridge with vertical lift span, and to the HACKEDORN CONTRACTING CO., Indianapolis, Ind., at $123,000 for two concrete bridges of three arches each. Each arch will be about 90 ft. long. Kieffer Lindsey is County Engr. Noted Apr. 29.

Sandersville, Ga.—The Boards of Commissioners of Washington and Wilkinson Counties contemplate the construction of a bridge across the Oconee River between the two counties. The estimated cost is $25,000.

✚Lacombe, La.—(Official)—The Board of State Highway Commissioners has awarded the contract for the construction of a steel swing bridge over Bayou Lacombe near Lacombe, St. Tammany Parish, to the VINCENNES BRIDGE CO., Vincennes, Ind., at $8132. Other bidders were: Blodgett Construction Co., Shreveport, $9000; Midland Bridge Co., Kansas City, Mo., $11,000; Perry & Bonner, Lake Charles, $9385. Noted May 20.

Nashville, Tenn.—It is reported that the city, the Nashville, Chattanooga & St. Louis Ry. and the Nashville Ry. & Light Co. have agreed upon the construction of a reinforced-concrete viaduct over the railway tracks on Cedar St. The estimated cost, including approaches, is from $42,000 to $45,000. W. W. Southgate is City Engr. Noted Oct. 22, 1914.

✚Chesapeake, Ohio—(Official)—The Board of Commissioners of Lawrence County, Ironton, has awarded the contract for placing a new floor on the bridge over Symmes Creek at Chesapeake to the CAPITOL CONSTRUCTION CO., Columbus, at $4700. Other bidders were: Champion Bridge Co., Wilmington, Ohio, $4800, and M. F. Leonard, Huntington ,W. Va., $4900. Noted May 20.

Cincinnati, Ohio—The lowest bid received by the city for removing the old bridge and lowering the street on Sycamore St. from North Court St. to Hunt St. was that of M. F. Quill, 808 Provident Bank Bldg., at $10,917.

Cincinnati, Ohio—The city has authorized an expenditure of $50,000 for replacing all wooden bridges within the city limits with concrete structures. Part of the work has been done, but there are 12 more, costing from $1000 to $4000 each to be advertised. Frank S. Krug is City Engr.

Cincinnati, Ohio—(Official)—Bids will be received until noon, July 9, by the Board of Commissioners of Hamilton County for the construction of a concrete culvert in Bog Run on Strimple Rd., Whitewater Township. Albert Reinhardt is Clk. of Bd.

Cincinnati, Ohio—(Official)—Bids were received June 1 by the Board of Public Service for the construction of a 165-ft. reinforced-concrete arch over Kemper Lane at the Park Ave. entrance to Eden Park, from: D. P. Foley, $125,355; A. J. Yawger, Indianapolis, Ind., $136,294; Ohio Valley Contracting Co., $142,429; Roos Bros., $143,875; Cleary-White Construction Co. and A. J. Brehm, $148,220; N. R. Porterfield, Youngstown, $149,405; F. W. Folz & Co., $150,310; William F. Nickoson, $151,635; Ferro-Concrete Construction Co., $156,788; Runck Bros., $160,937; James Duff Construction Co., Cleveland, $167,924; L. Eid Concrete Steel Co., $170,219; Kirchner Construction Co., $179,404; Thomas P. Strack, $200,050. All bidders of Cincinnati unless otherwise noted. The Engineer's estimate was $158,000. The award of contract was withheld. Noted May 20.

✚Columbus, Ohio—(Official)—The Commissioners of Franklin County have awarded the contract for the construction of the Agler Bridge over Alum Creek in Mifflin Township to the STEWART ENGINEERING CORPORATION, 17 Battery Pl., New York, N. Y., at $89,843. It will be an 11-span reinforced-concrete structure, 1170 ft. long. Noted Apr. 8.

✚McArthur, Ohio—(Official)—The Commissioners of Vinton County have awarded the contract for the construction of a steel bridge on the McArthur-Athens Rd. to the BROOKVILLE BRIDGE CO., Brookville, Ohio. Noted June 3.

✚✚Toledo, Ohio—(Official)—The Board of Control has awarded contracts for paving the Fassett St. Bridge, and for steel to strengthen the bridge, to the STANDARD ENGINEERING CO., at $40,242 and $2890, respectively. Noted Jan. 7.

Toledo, Ohio—Press reports state that the City Engineer has recommended two new bridges to be built over Swan Creek to replace the present structures which are said to be too light for the present traffic. The estimated cost is $30,000 each. Herbert McKechnie is City Engr.

Brownsville, Ind.—Bids will be received until 2 p.m., June 19, by George W. Wray, Audr. of Union County, Liberty, for the construction of an extension and approach to a bridge over the Whitewater River at Brownsville. Forrest Stout and J. E. Troyer are Engrs.

Indianapolis, Ind.—(Official)—Bids will be received until June 21 by B. T. J. Jeup, City Civil Engr., for the construction of a three-arch reinforced-concrete bridge, with facings and trimmings of Bedford stone and granite. Each arch will be 100 ft. long.

Benton Harbor, Mich.—(Official)—At a special election held June 7 the voters defeated a bond issue of $28,000 for the purpose of building a concrete bridge over Ox Creek to connect High St. and East High St. Noted June 3.

Detroit, Mich.—The City Council has decided to submit to the voters for approval a charter amendment authorizing the issue of $2,000,000 in bonds. The proceeds will be used for the construction of the proposed new Belle Isle Bridge. Richard Lindsay is City Clk. Noted May 13.

Springfield, Ill.—(Official)—Bids will be received until 11 a.m., June 23, by the State Highway Commission for the construction of one bridge each in Menard, Macoupin and Williamson Counties, and four bridges in McDonough County. The estimated total cost is $20,484.

✚De Pere, Wis.—The Common Council has awarded the contract for repairing the Main St. Bridge over the Fox River to GREILING BROS., Green Bay, at $22,000. The work includes repairing and painting the steel and repairing the roadway and sidewalks. Noted May 13.

✚Fairfield, Iowa—The State Highway Commission, Ames, has awarded the contract for the construction of a 170-ft. steel bridge and substructure at Fairfield to the JAMISON & WEST BRIDGE CO., La Fayette, Ind. Thomas H. McDonald is State Highway Engr.

✚Montezuma, Iowa—(Official)—The Board of Supervisors of Poweshiek County has awarded a contract for the construction of nine steel bridges to N. M. STARK & CO., Des Moines, at $17,693; the contract for 14 concrete bridges was awarded to the IOWA BRIDGE CO., Des Moines, at $7262. Noted May 27.

✚Onawa, Iowa—The Board of Supervisors of Monona County has awarded the contract for the construction of 28 bridges and concrete culverts to the OMAHA STRUCTURAL STEEL WORKS, Omaha, Neb., at $15,431.

✚West Union, Iowa—The Board of Supervisors of Fayette County has awarded the contract for the construction of a concrete bridge across the Turkey River to the KOSS CONSTRUCTION CO., Des Moines, at $7082. Noted May 20.

Cannon Falls, Minn.—(Official)—Bids will be received until 2 p.m., July 2, by George E. Wilson, City Clk., for the construction of two reinforced-concrete bridges. The first will have three 60-ft. spans, of the arch rib type, and the other will have two 67-ft. girder spans. The estimated cost is $25,000. Noted June 10.

✚Great Bend, Kan.—(Official)—The Board of Commissioners of Barton County has awarded the contract for the construction of four county bridges to the HEANEY CONSTRUCTION CO., Enid, Okla., at $10,045. C. F. Younkin is County Clk. Noted May 27.

Holton, Kan.—Bids will be received until noon, June 25, by the Commissioners of Jackson County for the construction of one 50-, one 60- and one 70-ft. steel bridge. W. H. Webster is Clk. of Comrs.

Lincoln, Kan.—(Official)—The Board of Commissioners of Lincoln County has awarded the contracts for the construction of two county bridges to the KANSAS CITY BRIDGE CO., Kansas City, Mo., and J. J. MOFFIT, Sr., Lincoln. Noted June 3.

St. Louis, Mo.—Bids will be received until noon, June 29, by the Board of Public Service for furnishing steel for completing the East St. Louis approach of the Municipal Free Bridge. E. R. Kinsey is Pres. of Bd. Noted Nov. 26, 1914.

Seattle, Wash.—It is reported that the City Council has appropriated $90,000 to be used for building approaches to the Salmon Bay Bridge. The work will be done by city forces. Arthur H. Dimock is City Engr.

Seattle, Wash.—Bids will be received until 10 a.m., June 28, by the Commissioners of King County for the construction of the Stossel Bridge. It will be of steel and will cost from $15,000 to $20,000. Byron Phelps is Clk. of Comrs.

Seattle, Wash.—(Official)—Bids will be received until July 23 by the Board of Public Works for the construction of two bascule bridges over Lake Washington Canal. The first one at 15th Ave., N. W., will be a 218-ft. span, estimated to cost $365,000. The other at Fremont Ave. will be 242 ft. long, and will cost about $420,000. The work will include the steel superstructures, concrete substructures, operating machinery, electrical equipment, etc. F. A. Rapp is Structural Engr. Noted June 10.

Tacoma, Wash.—The Bridge Inspector of Pierce County has reported that the Day Island Bridge is past repair, and a new bridge, estimated to cost $5750, is recommended. It is also reported that the bridge across Steilacoom Lake will be rebuilt. D. H. White is County Engr.

Tumwater, Wash.—Bids for the construction of a concrete bridge across Des Chutes River on the Pacific Highway near Tumwater, were received by the Commissioners of Thurston County, Olympia, as follows: H. C. Wright, Everett, $13,444; Charles G. Huber, Central Bldg., Seattle, $13,798; H. C. Malott, Seattle, $13,950; Yelverton & Wolf, Olympia, $14,100; G. A. Marsh, Tacoma, $14,698; Illinois Steel Co., Spokane, $14,800; W. D. Moreland, Olympia, $15,100; Huckinson Construction Co., Olympia, $15,990. Noted May 20.

Walla Walla, Wash.—The City Engineer has been instructed to call for bids for the construction of a new concrete bridge across Mill Creek at North Second St. Walter Rehorn is City Engr.

Lebanon, Ore.—It is reported that the Linn County Court, Albany, is asking bids for the construction of a 322-ft. bridge across the South Fork of the Santiam River at Lebanon. Noted May 13.

Madera, Calif.—It is reported that the City Trustees are considering the construction of a bridge over the Fresno River at D St. The estimated cost is $15,000.

Sacramento, Calif.—All bids received May 24 by the State Highway Commission for an 80-ft. plate girder bascule bridge in Yolo County were rejected as above the engineer's estimate. List of bids noted June 10.

Santa Barbara, Calif.—Bids will be received until noon, June 24, by A. Christine Holmberg, City Clk., for the construction of a reinforced-concrete bridge. The estimated cost is $20,000.

✚Watsonville, Calif.—The Board of City Trustees and the Supervisors of Monterey County have awarded the contract for the construction of a reinforced-concrete bridge over the Pajaro River at Watsonville to the FOSTER VOGT CO., Sharon Bldg., San Francisco, at $33,783. Noted May 20.

Fredericton, N. B.—It is reported that the Intercolonial Ry. is considering the erection of a new superstructure on its bridge over the St. John River. C. B. Brown, Moncton, N. B., is Ch. Engr.

Winnipeg, Man.—Plans for three new bridges at Main, Maryland and Arlington St. have been submitted to the City Council for approval. The estimated cost is $191,276 for the Main St. Bridge; $141,680 for the Maryland St. Bridge and $126,379 for the Arlington St. Bridge. Plans were drawn by Paul Schioler, former Bridge Engr. for the city, and A. A. Storington of Manitoba University.

WATER SUPPLY—IRRIGATION

✚Troy, N. H.—(Official)—The contract has been awarded to PASCHAEL RICI, Rutland, Vt., at $10,689, for constructing a water system. Other bidders were: Young & Dudley, Exeter, $18,567; Hyde & Babcock, Boston, Mass., $15,561; John E. Palmer, Boston, Mass., $13,112; G. Ferullo, Boston, Mass., $11,756; Sousi & Williams, Boston, Mass., $11,119. Noted Nov. 5 and Mar. 25.

Boston, Mass.—(Official)—Bids will be received until noon, June 18, by the Public Works Department, Room 511, City Hall Annex, for relaying water mains.

✚Shrewsbury, Mass.—(Official)—The contract has been awarded to the HANSCOM CONSTRUCTION CO., Boston, at $62,000, for constructing a water system. Romeo E. Allen is Engr. Noted Apr. 22 and May 20.

Hilton, N. Y.—(Official)—Bids will probably be received about July 6 for the construction of a water system. The estimated cost is $49,000. H. C. Kittredge, German Insurance Bldg., Rochester, is Engr. Noted Apr. 8 and June 10.

Ilion, N. Y.—Bids will be received about June 20 by the Water Commissioners for laying 3½ miles of 10-in. c.-i. pipe, constructing a reinforced-concrete reservoir and a slow sand filtration plant. Charles C. Hopkins, Cutler Bldg., Rochester, is Engr. and J. D. Ringwood is City Engr. The estimated cost is $76,500. Noted Dec. 10 and May 6.

Le Roy, N. Y.—Bids will be received until June 25 by the Board of Water and Light Commissioners for constructing a dam, a filtration plant and for laying pipe. John Maloney is Pres. of Comrs. and James P. Wells, Exchange Pl. Bldg., Rochester, is Engr. Noted Feb. 25 and Mar. 25.

Manchester, N. Y.—Press reports state that bids will soon be received for the construction of a water system. Charles C. Hopkins, Cutler Bldg., Rochester, is Engr. The estimated cost is $33,000. Noted Oct. 15 and May 27.

Oakfield, N. Y.—(Official)—Bids will be received until June 24 by the Board of Village Trustees for constructing a water system. S. A. Ingalsbe is Village Clk. Noted Apr. 1 and 8.

Oneida, N. Y.—The site of the new dam to be constructed on Florence Creek has been approved by the Water Commissioners. Henry White is Supt. of Water-Wks. Noted Feb. 25.

Belleville, N. J.—The Board of Commissioners plans to issue $20,000 in bonds, the proceeds of which will be used for the extension of the water system.

Bernardsville, N. J.—The Bernards Water Co. contemplates installing a new filter system.

Butler, N. J.—The Butler Water Co. has requested permission from the State Water Supply Commission to develop the Apshawa stream for an additional water supply.

Kearney, N. J.—According to press reports the Council has entered into an agreement with the State Water Supply Commission for the construction of a joint water supply from the Wanaque River. Robert E. Torrence is Mayor.

Newark, N. J.—The City Council has adopted resolutions providing for the issuance of $200,000 in bonds. The proceeds will be used for the relaying of old water mains and the extension of the high pressure system. Alexander Archibald is City Clk.

Newark, N. J.—The Board of Works has sustained the veto of Thomas L. Raymond, Mayor, to purchase Lake Waywayanda in Sussex County for $142,500, according to press reports. Noted Apr. 29 and May 13.

Perth Amboy, N. J.—The Board of Water Commissioners plans to construct the second section of the extension of its 30-in. water main from the Runyon watershed. The estimated cost is $80,000. The construction of a new filter bed at the Runyon pumping plant is also under consideration. S. J. Mason, City Engr., is in charge.

Contesville, Penn.—Bonds for $185,000 have been sold, the proceeds of which will be used for the construction of a water-works on Rock Run. Noted Apr. 22.

✚Glenlron, Penn.—The contract has been awarded to WALTERS, PERKES & MELLEN, Philadelphia, for the installation of a water system at the Pennsylvania Home for Feeble Minded. George S. Idell is Arch. Noted June 3.

Media, Penn.—The citizens voted in favor of issuing bonds for $70,000, the proceeds of which will be used for the improvement of the water system. Noted Sept. 3.

✚Reading, Penn.—The contract has been awarded to the READING CONTRACTING CO., at $7000, by the Reading Suburban Water Co. for constructing a slow sand filter and a storage dam. Noted June 3.

Baltimore, Md.—Specifications have been prepared by Robt. L. Clemmitt, Act. Water Engr., for the installation of an electrically operated centrifugal pump for the Eastern pumping station. The estimated cost is $25,000. Noted Apr. 29.

✚Fairmont, W. Va.—The contract has been awarded by the Board of Affairs to the UNITED STATES CAST IRON FOUNDRY CO., Pittsburgh, Penn., for 6000 ft. of c.-i. water pipe.

Warrenton, N. C.—(Official)—Bids will be received for the construction of a water system as soon as the bonds are sold. Gilbert C. White, Charlotte, is Engr. Noted Apr. 29 and June 3.

Wilmington, N. C.—The city plans to lay water mains at an estimated cost of $29,000. Thomas D. Mears is City Clk.

Orangeburg, S. C.—An election will be held June 29 to vote on the question of issuing bonds for $15,000, the proceeds of which will be used for the improvement of the water system. Edward Howes is City Engr. Noted Mar. 18.

Athens, Ga.—The City Council has authorized the extension of the water system at an estimated cost of $5000. James Barrow is Supt. of Water-Wks.

Leesburg, Ga.—The city contemplates constructing water and electric-light systems.

✚New Smyrna, Fla.—The contract has been awarded to the J. B. McCRARY CO., Atlanta, Ga., by the city for the construction of a water system. The estimated cost is $47,000. Noted Nov. 26 and Jan. 28.

Oxford, Fla.—It is proposed to dispose of the franchise to a private company for a public water system. O. S. Bogue is Mayor.

Langdale, Ala.—The Park A. Davis Co., Atlanta, Ga., has prepared plans for the construction of a water system for the West Point Mfg. Co.

✚Northport, Ala.—The contract has been awarded to B. T. ROBERTS, Macon, Ga., by the city for constructing a water system. C. P. Bell is Mayor. Noted Apr. 22 and May 27.

Gretna, La.—The city contemplates either purchasing the water-works of the Algiers Water Co. or constructing a water system. The estimated cost of either, complete, is about $70,000. Anderson Offutt, New Orleans, is Engr.

Henderson, Tenn.—Bonds for $57,000 have been voted by the citizens, the proceeds of which will be used for the construction of water and sewer systems and an electric-light system. Noted Apr. 22.

Springfield, Tenn.—Extensions will be made to the plant of the Springfield Water & Light Co. The estimated cost is $15,000.

Lexington, Ky.—(Official)—The Lexington Hydraulic Mfg. Co. will lay water mains by its own forces. W. F. Cramer is Ch. Engr. Noted June 10.

Cincinnati, Ohio—Bids will be received until June 18 by the Director of Public Safety for laying water mains and specials for the high pressure fire system in Eighth St., Broadway and Reading Rd.

Cleveland, Ohio—Bids will be received until noon, June 23, by the Commissioner of Purchases and Supplies, for furnishing brass fittings and stop cock boxes for the water department.

✚Cleveland, Ohio—The contract has been awarded to the BUILDERS IRON FOUNDRY, Providence, R. I., at $9993, for furnishing one 30-in. and five 48-in. venturi meters for the Division Ave. pumping station.

★Rittman, Ohio—(Official)—Bids will be received until 1 p.m., June 29, by Vance Hickin, City Clk., for constructing a water-works system. The work consists of a pumping station, a 200,000-gal. reinforced-concrete reservoir and about eight miles of water mains.

★Rittman, Ohio—(Official)—Bids will be received until 1 p.m., June 29, by Vance Hickin, City Clk., for pumping equipment for the water-works.

Springfield, Ohio—The Council has authorized the construction of a trunk line water main from the pumping plant to the city. William H. Mahoney is City Clk.

Detroit, Mich.—Bids will be received until 2:30 p.m., June 21, by George J. Finn, Secy., Fire Comrs., for furnishing pipe for the new pipe line.

Saginaw, Mich.—Another election will be held in September to vote on the question of issuing $700,000 in bonds, the proceeds of which will be used for the construction of a water softening plant and filtration system. Herman H. Eymer is City Engr. Noted Apr. 1.

Janesville, Wis.—Bids will be received until June 25 by the Municipal Water-Works Commission, for the construction of a one-story brick addition to the pumping station. The estimated cost is $4500. Equipment will also be needed. Noted Feb. 11.

✚Cresco, Iowa—The contract has been awarded to the MEMPHIS STEEL CONSTRUCTION CO., Memphis, Tenn., at $4603, for constructing a 100,000-gal. steel tank on a steel tower. M. J. McArthur is City Clk.

Newton, Iowa—Plans are being prepared for the construction of a purification plant. Bruce, Standeven & Boynton, Bee Bldg., Omaha, Neb., is Engr.

✚Spillville, Iowa—(Official)—The contract has been awarded to the DES MOINES BRIDGE & IRON WORKS, at $7469, for constructing a water system. Other bidders were: C. L. Hansen, $7290; W. C. Fraser, $7320; Moore Sieg Construction Co., $7492; W. L. Lovell, $7500; Alamo Engineering & Supply Co., $7530. A. A. Novak is Town Clk. Noted May 20.

Moorhead, Minn.—Plans are being prepared for the construction of a water system. E. P. Burch, Plymouth Bldg., Minneapolis, is Engr. The estimated cost is $22,000.

Robbinsdale, Minn.—(Official)—The village has decided to construct a municipal water system which will consist of a power plant, a 100,000-gal. steel tank and steel tower and between 5000 and 10,000 ft. of water mains. W. C. Buck, 4821 Fremont St., S., Minneapolis, is Engr. Noted June 10.

✚Garnett, Kan.—The contract has been awarded by the Council to the MERKLE-HINES MACHINE CO., Kansas City, Mo., at $8925, for an engine, boiler and generator for the water-works. Noted May 20.

Oakley, Kan.—Bonds for $10,000 have been voted by the citizens, the proceeds of which will be used for the construction of water and electric-light systems.

Osawatomie, Kan.—The State Board of Health has authorized the construction of a filtration plant at the State asylum at Osawatimie.

Sabetha, Kan.—An election will be held June 29 to vote on the question of issuing $65,000 in bonds, the proceeds of which will be used for the construction of a water system. Worley & Black, Reliance Bldg., Kansas City, Mo., is Engr.

Fargo, N. D.—The Water and Light Commission contemplates making improvements to the water system from plans prepared by Edward P. Burch, Minneapolis, Minn. The estimated cost is $24,000.

Billings, Mont.—Plans are being prepared for the convertion of Lake Hollings into a reservoir by the Billings Land & Irrigation Co.

✚Caruthersville, Mo.—(Official)—The contract has been awarded to MONIE & DUNBAR, St. Louis, at $8500, for making extensions to the water system. W. D. Byrd is Mayor. Noted May 6 and 20.

✚Joplin, Mo.—The contract has been awarded to SUGAR & CO., St. Louis, at $5400, by the city for laying water mains. Noted Jan. 21.

St. Louis, Mo.—Bids will be received until noon, June 22, by the Board of Public Service for furnishing 2595 tons of 3- to 36-in. c.-i. pipe, 350 tons of specials, 297 stop and tapping valves and 850 fire hydrants. W. T. Findley is Secy.

Slaton, Tex.—(Official)—The date has not yet been set for the sale of bonds, the proceeds of which will be used for construction of a water system. C. C. Hoffman is Secy.-Treas. Noted Apr. 15 and June 3.

Salt Lake City, Utah—Plans prepared by Sylvester Q. Cannon, City Engr., for the construction of a storage reservoir in City Creek Cañon at Pleasant Valley, have been approved by the City Commission. The estimated cost is $20,000. It is stated that bids will soon be received.

Everett, Wash.—An election will be held in July to vote on the question of issuing $650,000 in bonds, the proceeds of which will be used for the construction of additions and improvements of the water system. Louis Lesh is City Clk. R. E. Koon, Burns & McDonnell, Kansas City, Mo., is Engr. Noted Dec. 10 and Apr. 22.

✚Kirkland, Wash.—(Official)—The contract has been awarded to J. ERICKSON, 5815 Woodlawn Ave., Seattle, at $4995, for constructing a water system. Noted Dec. 10 and Apr. 8.

Poulsbo, Wash.—The Council contemplates constructing a water system. B. S. Murley is City Clk.

Seattle, Wash.—The City Utilities Committee of the Council has recommended an appropriation of $16,000 for the improvement of the timber dam at the Cedar River intake. Noted Apr. 22.

Hesperia, Calif.—The Hesperia Water Co. has been granted a 50 year franchise to construct and operate a water system.

Oakdale, Calif.—According to press reports bids will be received in July by the Oakdale Irrigation District for the construction of lateral canals. Noted Apr. 29.

Owensmouth, Calif.—The plant of the Owensmouth Domestic Water Co. was destroyed by fire with a loss of $15,000.

Victorville, Calif.—A franchise for a period of 50 years has been granted to the Appleton Land, Water & Power Co. to construct and operate a water system in Victorville.

Beauceville, Que.—The Council plans to construct water and electric-light systems. The estimated cost is $85,000. F. Fortin is City Clk. and J. Mignault, Sherbrooke, is Engr.

Montreal, Que.—Press reports state that a filtration plant, estimated to cost $159,500, will be constructed. L. N. Senecal is Secy., Bd. of Comrs. Noted Mar. 4.

✚Ottawa, Ont.—(Official)—The contract has been awarded to the HEAPAND PARTNERS, Montreal, Que., at $5100, for furnishing and installing one electrically operated pumping unit for the water system. T. B. Rankin is Secy. Water-Wks. Comn. Noted Apr. 22.

✚★Stratford, Ont.—(Official)—The contract has been awarded to BRENNAN & HOLLINGSWORTH, Hamilton, at $25,891, for constructing water mains and a tower. Other bidders were: Municipal Concrete Construction Co., $31,176; F. O. Canfield, $29,316; Smallman & Webster, $37,875; A. L. McAllister, $27,519; B. Blair Co., $26,752. Noted May 13 and June 3.

SEWERS

Portland, Maine—The city contemplates extending the Washington Ave. sewer to Allen Corner, and constructing sewers in North Deering. The estimated cost is $18,000.

Boston, Mass.—Bids will be received until noon, June 22, by P. O'Hearn, Act. Comr. of Pub. Wks., for the construction of sewers and drains in Kenney and Hamblen St.

Boston, Mass.—Bids will be received until noon, June 21, by P. O'Hearn, Act. Comr. of Pub. Wks., for the construction of sewers and drains in Boylston Pl.

Woonsocket, R. I.—The city contemplates the construction of sewers in various streets estimated to cost $22,500. F. E. Holden is Chn. Sewer Comrs.

✚Albany, N. Y.—The contract for the construction of a sewer in Sausse Ave. has been awarded to JOHN ALLEN, Schenectady, at $5900.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., June 24, by Douglas Mathewson, Borough Pres., for the construction of sewers and appurtenances in West 236th St. from Broadway to the westerly line of the right of way of the New York & Putnam R.R.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received until 11 a.m., June 23, by L. H. Pounds, Borough Pres., for the installation of heating equipment at the sewage pumping station at Ave. V and West 10th St.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until June 23 by Maurice E. Connolly, Borough Pres., for the construction of a sewer and appurtenances in Polk Ave., Second Ward, and in Steinway Ave., First Ward.

New York, N. Y.—(Borough of Richmond)—The construction of a sewage-disposal plant at the Richmond County Jail at West New Brighton, is under consideration. The estimated cost is $5300.

✚Niagara Falls, N. Y.—The contract for the construction of sewers in Divers St. has been awarded to DOMINIC SPAGONE, at $75,000. Noted May 6.

★Scarsdale, N. Y.—(Official)—Bids will be received until 8 p.m., June 22, by the Sewer Commissioners for the construction of sewer extensions. Noted Feb. 25.

Syracuse, N. Y.—(Official)—Bids will be received about Sept. 1 by the city for the construction of approximately five miles of sewers in the 17th Ward. W. T. Wooley is City Engr. The estimated cost is $140,000. Noted June 3.

Camden, N. J.—The city contemplates the construction of a sewage-disposal plant. The estimated cost is $10,000.

Newark, N. J.—Bids will be received until 3:30 p.m., June 24, by Morris R. Sherrerd, Ch. Engr., Bd. of St. and Water Comrs., for the construction of sewers in Parker St.

✚Beaver Falls, Penn.—(Official)—The contract for the construction of a sewage-disposal plant, an outfall sewer and for the completion of a sanitary sewer system has been awarded to PIHL & MILLER, Pittsburgh. The estimated cost is $40,000. Noted June 10.

Erie, Penn.—The city contemplates the construction of a sewer system estimated to cost $22,500.

✚Reading, Penn.—The contract for the construction of a sewer in Exeter St. has been awarded to FEHR & O'ROURKE, Reading, at $4700.

South Connellsville, Penn.—An election will be held July 14 to vote on the question of issuing $30,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

✚Wilkes-Barre, Penn.—The contract for the construction of the East End sewer in Pennsylvania Ave. has been awarded to D. M. ROSSER, Kingston, at $47,586. Noted June 3.

York, Penn.—The City Council will issue $160,000 in bonds, the proceeds of which will be used for the completion of the sewer system and for the construction of storm sewers.

Baltimore, Md.—The lowest bid submitted for the construction of sanitary lateral sewers under Contract No. 155 was that of Smith & Ruggles, Baltimore.

✚Baltimore, Md.—The contract for the construction of sewers in Patterson Park and Ferry Point has been awarded to A. T. CAROZZA CO., at $114,452.

✚Baltimore, Md.—The contract has been awarded to RYAN & REILLY CO., Baltimore, at $38,401, for the construction of sanitary sewers in the northwestern section of the city.

Winston-Salem, N. C.—Bids will be received June 30 instead of June 15 by the city for the construction of a reinforced-concrete sewage-disposal plant and extending the sewers about 2½ miles. J. L. Ludlow is Engr. and L. F. Owen is Chn. of Sewer Com. Noted June 10.

Florence, S. C.—An election will be held June 30 to vote on the question of issuing $140,000 in bonds, the proceeds of which will be used for the construction of a sewer system W. R. Barringer is Mayor.

Greensboro, Ga.—An election will be held July 3 to vote on the question of issuing $50,000 in bonds, the proceeds of which will be used for the construction of sewers and repairing bridges.

✚New Smyrna, Fla.—The contract for the construction of a sewer system and water-works has been awarded to the J. B. McCRARY, CO., Atlanta, Ga., at $75,000. Noted Jan. 28.

Ocala, Fla.—Bids will be received until 3 p.m., June 26, by E. J. Cook, Secy. Bd. of Bond Trustees, for the sale of $100,000 in bonds. The proceeds will be used for the construction of a sewer system. Noted Nov. 12.

✚Northport, Ala.—The contract for the construction of 3000 ft. of 10-in. and 3700 ft. of 8-in. terra-cotta pipe sewers has been awarded to WORSEY FINNELL, Tuscaloosa.

Henderson, Tenn.—At a recent election the citizens voted to issue $57,000 in bonds. Part of the proceeds will be used for the construction of a sewer system.

Knoxville, Tenn.—The contract will soon be awarded by the City Commissioners for the construction of lateral sewers. The estimated cost is $20,000.

Lexington, Ky.—An election will be held early in November to vote on the question of issuing $200,000 in bonds, the proceeds of which will be used for the construction of a sewer system and a sewage-disposal plant. J. Ernest Cassidy is Mayor.

Brewster, Ohio—Bids will be received until noon, July 2, by the City Clerk for the construction of sewers. W. J. Sherman, 615 Nasby Bldg., Toledo, is Engr.

Canton, Ohio—Bids will be received until noon, June 23, by Z. W. Kent, Dir. of Pub. Wks., for the construction of sanitary sewers.

Canton, Ohio—The city contemplates the construction of an intercepting sanitary sewer along the East Creek. The estimated cost is $103,000.

Cincinnati, Ohio—Bids will be received until noon, June 18, by Philip Fosdick, Dir. of Pub. Ser., for the construction of sewers under Contract No. 3 in the Madisonville Sewer District.

Cincinnati, Ohio—Bids will be received until noon, June 24, by the city for the sale of $1,000,000 in bonds. The proceeds will be used for the construction of the Mill Creek trunk sewer and other sewers.

Cleveland, Ohio—Bids will be received until noon, June 24, by the Commissioner of Purchase and Supplies for the construction of sewers in various streets.

Columbus, Ohio—Bids will be received until noon, June 29, by George A. Borden, Dir. of Pub. Ser., for sewer construction.

✚Findlay, Ohio—(Official)—The contract for the construction of the Hagerman Run Conduit has been awarded to S. RENICK, Findlay, at $20,635. Noted June 10.

Indianapolis, Ind.—(Official)—Bids will be received until June 25 by Charles A. Brown, Asst. Engr., Sewer Dept., for the construction of the main drain in 38th St. and Central Ave.

✚Bessemer, Mich.—The contract for the construction of a sewer in Main St. has been awarded to J. W. OXHAM & SON, at $5670.

Chicago, Ill.—Bids will be received until 2 p.m., June 18, by the Board of Inspectors of the House of Correction for sewer pipe during the quarter beginning July 1.

East St. Louis, Ill.—Bids will be received until 2 p.m., July 7, by G. L. Tarlton, Pres. Bd. of Trustees, for the construction of an outlet sewer protection at Station No. 866 of Construction Project No. 7, Section B of Section 6, front levee.

Baraboo, Wis.—The contract for sewer construction has been awarded to SWEENEY BROS. The estimated cost is $13,000.

New London, Wis.—The contract for sewer construction has been awarded to A. C. SCHREITER, Manitowoc, at $8500.

Racine, Wis.—All bids received for the construction of a sewer in 12th St. from West Blvd. to Lathrop St. have been rejected. New bids will soon be received by the Board of Public Works.

Superior, Wis.—The contract for the construction of a sewer in Water St. has been awarded to EDWARD JOHNSON, at $10,346.

Waupaca, Wis.—Bids will be received until 4 p.m., June 26, by the Board of Public Works for the construction of sewers, manholes and connections in South Main St.

Ft. Dodge, Iowa—Bids will be received until 9 a.m., June 21, by W. L. Tang, City Clk., for the construction of sanitary and storm sewers in various sections of the city.

Hartley, Iowa—The contract for the construction of a sewer system has been awarded to ARTHUR A. DOBSON CO., Lincoln, Neb. The estimated cost is $35,000. Noted May 13.

Duluth, Minn.—Bids will be received until 10 a.m., June 18, by the Commissioner of Public Works for materials for sewer construction.

Minneapolis, Minn.—Bonds for $100,000 have been sold. The proceeds will be used for the construction of the main line sewer. Noted Feb. 17.

Minneapolis, Minn.—The Sewer Commission is planning to construct sewers in Colfax Ave. and Second St.

St. Paul, Minn.—Bids will be received until 10:30 a.m., June 21, by August Hohenstein, Pur. Agt., for the construction of sewers in various streets.

Neodesha, Kan.—The State Board of Health has instructed the city to construct a sewage-disposal plant to care for the sewerage which is now emptying into the Verdigris River.

Omaha, Neb.—According to press reports the contract for the construction of sanitary sewers through Miller Park has been awarded to J. J. HANIGHEN, at $53,495. Noted June 10.

Flandreau, S. D.—The city contemplates issuing $4000 in bonds, the proceeds of which will be used for the construction of storm sewers.

Anaconda, Mont.—It is reported that the contract for sewer construction has been awarded to the CLIFTON APPLEGATE CO. The estimated cost is $67,350.

Bozeman, Mont.—The contract for sewer construction has been awarded to the WARREN CONSTRUCTION CO., Portland, Ore. Noted May 13.

Caruthersville, Mo.—The contract for the construction of a sewer system has been awarded to A. C. BROWN, Herrin, Ill. Noted May 20.

Fayette, Mo.—Plans are being prepared by Rollins & Westover, Engr., Kansas City, for the construction of a sewer system.

Kansas City, Mo.—Bonds for $500,000 have been voted, the proceeds of which will be used for the construction of the Blue Valley sewer. Noted Apr. 22.

Kansas City, Mo.—At a recent election the citizens voted to issue $400,000 in bonds, the proceeds of which will be used for the construction of sewers. Noted May 6.

Springfield, Mo.—At a recent election the citizens defeated the question of issuing $50,000 in bonds. The proceeds was to have been used for the construction of sewers and repairs to the old sewers. Noted May 27.

St. Louis, Mo.—Bids will be received until noon, June 18, by the Board of Public Service for the construction of 10,070 ft. of 12- to 36-in. sewers in the Rock Creek Sewer District. William T. Findly is Secy. Bd. Pub. Ser.

Argenta, Ark.—The contract for the construction of sanitary sewers in the east section in Sewer Improvement District No. 1 has been awarded to MORENO, BROOKS & BURKHAM, St. Louis, Mo., at $10,000.

Beeville, Tex.—An election will soon be held to vote on the question of issuing $15,000 in bonds, the proceeds of which will be used for extending the sewer system 25,670 ft. W. Ranney, San Antonio, is Consult. Engr.

Cleburne, Tex.—(Official)—Bids were received June 4 by Charles Wilhite, City Secy., for the construction of a sanitary sewer system and a sewage-disposal plant as follows: HAMILTON BROS., Houston, at $144,527, (awarded contract); Brown Bros., Kansas City, Mo., $148,818; Bash & Janes, Joplin, Mo., $151,187; William F. Riley, St. Louis, Mo., $152,468; Roach Manigan, Ft. Worth, $155,296; James A. Pringle, Carthage, Mo., $155,328; Henry Rees, Quincy, Ill., $156,408; George O. White & Co., Memphis, Tenn., $156,832; Tonkawa Construction Co., Kansas City, Mo., $156,833; Edgar Main, Liberty, Mo., $158,450; J. R. Southerlin Construction Co., Kansas City, Mo., $159,034; Intermountain Bridge & Construction Co., Tecumseh, Neb., $162,965; H. C. Gass, San Antonia, $166,409; Winslett Eldridge Co., Dailas, $167,916; Bailey Reeder Co., Mobile, Ala., $183,509; Koehler-Fowler Construction Co., Memphis, Tenn., $191,354; V. M. Washem & Co., Waco, $204,983; H. K. McCullum, Ft. Worth, $238,756; McKenzie Construction Co., San Antonio, $240,857. Noted May 20.

Dallas, Tex.—The city contemplates the construction of extensions to the sewer system. The estimated cost is $38,000.

San Antonio, Tex.—The contract for the construction of a sewage-pumping station has been awarded to the McKENSIE CONSTRUCTION CO., at $5865. Noted Apr. 15.

San Antonio, Tex.—The contract for the construction of sewers in the Fair Grounds District has been awarded to H. C. GASS, at $19,775.

Tulsa, Okla.—An election will be held June 18 to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for the construction of storm and sanitary sewers. T. C. Hughes is City Engr. Noted June 10.

Ogden, Utah—Contracts have been awarded for the construction of sewers in District No. 125 to CHARLES E. REED, Salt Lake City, and in Districts No. 126 and 127 to MULLIN & PALM, Salt Lake City.

Salt Lake City, Utah—The contract will soon be awarded for the construction of vitrified and concrete 8- to 15-in. pipe sewers in Sewer Extension No. 351. The estimated cost is $33,381.

Elko, Nev.—The city contemplates the construction of a sewer system. The estimated cost is $30,000.

Mesa, Ariz.—(Official)—Bids will be received until 10 a.m., June 30, by the Common Council, Town of Mesa City, for the sale of $75,000 in bonds. The proceeds will be used for the construction of a sewer system and a sewage-disposal plant. Harry Hancock, Phœnix, is City Engr.

La Grande, Ore.—The city contemplates the construction of sewers between G and L. St. and a disposal tank.

Arlington, Calif.—(Riverside post office)—(Official)—At a recent election the citizens defeated the question of issuing $30,000 in bonds. The proceeds was to have been used for the construction of sewer system. Noted May 13.

Los Angeles, Calif.—The lowest bid submitted for the construction of sewers in Washington St. from Grenshaw Blvd. to Fifth Ave. and other streets was that of Adam Dalmatin, at $10,460.

San Francisco, Calif.—The Board of Public Works has awarded the contract for the construction of a sewer in lower Fifth St. to EDWARD MALLEY, at $59,400. Noted Apr. 29.

East Oxford, Ont.—The city will construct 12,000 ft. of tile drain and 3300 ft. of open drain. F. G. Jackson is Clk.

London, Ont.—The city will construct a sewer system in Lorne Heights. The estimated cost is $72,000. S. Baker is City Clk.

Mille Roches, Ont.—(Official)—The contract for the construction of the Shaner Creek drain has been awarded to J. A. VALADE, Harrisons Corners, at $6871. Other bids were: J. W. Arbuthnot, $8796; D. McRae, $7032; J. H. Quinn, $7883; H. C. McLean, $7539; A. Van Buren, $7360. Noted May 20.

Toronto, Ont.—Bids will be received until noon, June 22, by T. L. Church, Chn. Bd. of Control, for the construction of sewers in Weston Rd. from St. Clair St. to the north city limits.

Welland, Ont.—The city contemplates the construction of sewers in Fell and Sophia St. D. G. Black is Engr.

GARBAGE

Worcester, Mass.—The city will construct an offal disposal plant outside of the city limits.

Newark, N. J.—The Board of Freeholders contemplates installing an incinerator at the Soho Isolation Hospital.

West New York, N. Y.—(Official)—Bids will be received until 8 p.m., June 22, by James L. Wolfe, Town Clk., for the removal of garbage.

Victoria, Tex.—The Council has recommended the installation of a Decarie incinerator. The estimated cost is $7000.

Welland, Ont.—The citizens contemplate constructing an incinerator at an estimated cost of $6000.

STREETS AND ROADS

Boston, Mass.—Bids will be received until June 22 by the Transit Commission for laying 9000 sq.yd. of wood block pavement on Boylston St. E. S. Davis, 15 Beacon St., is Ch. Engr.

Boston, Mass.—(Official)—Bids will be received until noon, June 18, by the Commissioner of Public Works for laying artificial stone sidewalks in West Broadway from Dorchester Ave. to Dorchester St., South Boston.

Boston, Mass.—Bids will be received until noon, June 21, by the Commissioner of Public Works for paving Claxton St. from Blue Hill Ave. to Callender St., Dorchester District.

Hartford, Conn.—Contracts for state road work, bids for which were received June 1, have been awarded by the State Highway Commission as follows:

Andover Township, about 7300 lin.ft. native stone macadam on the Hebron Rd., to ARCHIE B. CADWELL, New Britain Conn., at approximately $7669.

Somers Township, about 3198 lin.ft. native stone macadam on the Stafford Rd., to the A. D. BRIDGE'S SON, INC., Hazardville, Conn., at $5033.

Milford Township, about 12,015 lin.ft. bituminous macadam surfacing on the New Haven Turnpike, to ROBERT D. DALEY CO., New Haven, at approximately $18,500.

Hartford City, about 6895 lin.ft. reinforced concrete on Maple Ave. to LEONARDO SUZIO, Meriden, at approximately $19,500. Noted May 20 and June 10.

Waterbury, Conn.—The contract for paving Canal St. has been awarded to ALTIERIA BROS., at $6817.

Albany, N. Y.—(Official)—Contracts have been awarded for constructing roads in various counties as follows: Road No. 1279, Albany County, 3.41 miles, CURRAN CORPORATION, Middletown, Conn., $27,852; Road No. 1280, Albany County, 5.76 miles, DAVID H. CRAW, Ravenna, $56,737; Road No. 5555, Albany County, 4.20 miles, THOMAS H. KARR, Troy, $47,414; Road No. 5259-A, Cattaraugus County, 4.29 miles, JAMES ROSSNEY, Buffalo, $55,935; Road No. 5432-A, Chemung and Schuyler Counties, 8.98 miles, FORD BROS., Elmira, $89,687; Road No. 1285; Essex County, 3.31 miles, BLUFF POINT STONE CO., Plattsburg, $29,461; Road No. 1286, Essex County, 0.52 miles, RUMPH & STEVENS, Lake Placid, $5688; Road No. 1227; Jefferson County, 4.60 miles, JAMES E. MARTIN, Utica, $56,475; Road No. 1281, Monroe County, 8.39 miles, P. H. MURRAY, Rochester, $73,892; Road No. 1282; Monroe County, 1.51 miles, MORRISON & QUINN, INC., Rochester, $17,852; Road No. 1159, Oneida County, 7.76 miles, H. B. SPROUL CONSTRUCTION CO., Peekskill, $82,-

344; Road No. 5328-B, Orange County, 6.27 miles, SCHUNNEMUNK CONSTRUCTION CO., Highland Falls, $73,445; Road No. 580, Orleans County, 2.87 miles, THOMAS HOLAHAN, Rochester, $39,878; Road No. 581, Orleans County, 7.46 miles, MICHAEL MURPHY, Rochester, $65,036; Road No. 5556, Orleans County, 0.17 miles, RHODY & CLAWSON, Albion, $2948; Road No. 1287, Oswego County, 7.75 miles, F. A. BIGGI, Brooklyn, $63,989; Road No. 1288, Oswego County, 5.12 miles, BROWNE & LOWE CO., Schenectady, $37,344; Road No. 1261, St. Lawrence County, 5.06 miles, ROSS-HALLENBECK CONSTRUCTION CO., Copenhagen, $68,770; Road No. 5474-A, Schuyler and Tompkins Counties, 7.60 miles, HENDRICKSON-McCABE CONSTRUCTION CO., Spencerport, $54,261. Noted May 20 and June 10.

✚★**Albany, N. Y.**—(Official)—Contracts have been awarded for improving roads in various counties as follows: Repair Contract No. 721, Albany County, 0.53 mile, GEORGE HOLLER, Albany, $3781; Repair Contract No. 785, Albany County, 11.21 miles, JOHN W. FLYNN, Waterford, $36,496; Repair Contract No. 726, Dutchess County, 12.88 miles, THOMAS J. MARTIN, Beacon, $9709; Repair Contract No. 701, Oswego County, 3.09 miles, DE BARBER & HILL, Fulton, $9568; Repair Contract No. 774, Rensselaer County, WILLIAM L. SHERRILL, Hudson Falls, $9999; Repair Contract No. 600, Schenectady County, 3.94 miles, BROWN & LOWE CO., Schenectady, $26,417. Noted May 20 and June 10.

✚★**Albany, N. Y.**—(Official)—Contracts have been awarded for furnishing quantities of broken stone as follows: Broken Stone Contract No. 58, Niagara County, 37.98 miles, 1400 tons, all bids were rejected; Broken Stone Contract No. 49, Seneca County, 17.32 miles, 355 tons, RICHARD HOPKINS, Troy, $753; Broken Stone Contract No. 47, Wayne County, 12.49 miles, 605 tons, RICHARD HOPKINS, $1479. Noted May 20 and June 10.

Albany, N. Y.—(Official)—Bids will be received until 3 p.m., June 21, by the Board of Contract and Supply for repaving South Pearl and Willett St. and improving Main St. and Beaver Park Rd.

✚**Buffalo, N. Y.**—The contract for paving Alsace Ave. has been awarded to the CONSTANTINE CONSTRUCTION CO., at $7130.

Elmira, N. Y.—(Official)—Bids will be received until 11 a.m., June 24, by Louis C. Andrews, City Clk., for laying 15,700 sq.yd. of brick pavement. Noted Mar. 18.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., June 24, by Douglas Mathewson, Borough Pres., for paving with granite block and sheet asphalt on concrete foundation Fordham Rd. from Webster Ave. to Harlem River Terrace and with bituminous concrete on a concrete foundation East 172d St. from Boston Rd. to Seabury Pl.

✚**New York, N. Y.**—(Borough of Bronx)—(Official)—Contracts have been awarded for paving Gouverneur Pl. from Park to Washington Ave. to the MUNICIPAL ASPHALT PAVING CO., at $9868; Morris Ave from 161st to 164th St. to the SICILIAN ASPHALT PAVING CO., at $5360. Noted May 27 and June 10.

New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids were received June 9 by L. H. Pounds, Borough Pres., for improving (a) East and Market Ave. from Flushing Ave. to B St., West Ave. from Flushing Ave. to D St., A and B St. from Washington to East Ave. and C and D St. from Washington to West Ave. in Wallabout Market, (b) Fulton St. from Reid Ave. to Williams Pl., (c) Gates Ave. from Franklin to Reid Ave., (d) Miller Ave. from Pitkin to Blake Ave. and Vermont St. from Blake to Dumont Ave., (e) Throop Ave. from Broadway to Gerry St., (f) Union Ave. from Roebling to North 10th St., (g) Van Brunt St. from Harrison to Irving St., (h) Washington St. from Front to Tillary St., (i) Washington St. from Tillary St. to Myrtle Ave., (j) Wythe Ave. from South Eighth St. to North 11th St., (k) Second Ave. from 43rd to 52nd St. as follows: Borough Asphalt Co., 1301 Metropolitan Ave., (a) $47,145, (f) $2888; McFarlan Contracting Co., (a) $46,832; Franklin Contracting Co., 1 Hudson St., (a) $52,520; (i) $5772; J. J. B. LaMarsh, (a) $45,952, (h) $26,774, (j) $63,518, (k) $31,139; Uvalde Asphalt Paving Co., 1 Broadway, (a) $50,584, (b) $45,825, (c) $27,336, (d) $12,478, (e) $5515, (f) $3078; Rosenthal Engineering Co., (a) $61,312, (g) $3677, (h) $24,202, (i) $61,619, (k) $28,793; Robertson Construction Co., (a) $49,586, (g) $3948, (h) $24,448, (k) $30,627; Barber Asphalt Paving Co., Woolworth Bldg., (b) $45,825, (c) $29,057, (d) $14,182, (e) $5856, (g) $2767, (i) $5910; Brooklyn Alcatraz Co., 407 Hamilton Ave., (b) $44,070, (c) $31,575, (d) $11,700, (e) $6219; Cranford Co., (b) $61,619, (c) $34,444, (d) $16,259, (e) $7217, (f) $3631; Sicilian Asphalt Paving Co., 41 Park Row, (b) $46,714, (c) $25,379, (d) $12,745, (e) $5318, (f) $3011; Lincoln Steel Co., (g) $3649, (h) $24,607, (i) $65,586; F. J. Gallagher, 490 Park Pl. (Borough of Brooklyn), (g) $3139, (h) $23,738, (j) $61,961, (k) $26,426; A. T. Maxwell, (g) $3606, (h) $25,032, (k) $29,785; J. Johnson Sons, (g) $3618, (h) $25,053, (j) $66,205, (k) $28,299; M. J. O'Hara, 557 Third St. (Borough of Brooklyn), (g) $3437, (i) $22,434, (j) $59,313, (k) $20,581, Ulrich & Co., 939 Lafayette Ave. (Borough of Brooklyn) (g) $3360, (h) $22,175, (j) $60,068, (k) $25,361; McKenna & Gallagher, (g) $3690; Norton & Gorman, (g) $3557, (j) $67,663, (k) $28,252; C. A. Myers Contracting Co., (h) $22,377, (j) $61,286, (k) $27,260; Empire Construction Co., (h) $24,300, (i) $5962, (j) $64,866, (k) $30,621; Newman & Carey, (h) $23,561; W. Farmer, (h) $23,152; J. Leapoleon, (i) $6481; J. J. Guinan, (j) $61,975; Matthew T. Mark, (j) $58,559, (k) $27,495; W. J. Scanlon Co., (j) $61,775, (k) $30,826; Clancey & Nuhn, 31 Hunterspoint Ave., Long Island City (Borough of Queens), (j) $58,258; Eastern Contracting Co., (k) $28,926. Noted June 3.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 11 a.m., June 21, by C. B. J. Snyder, Supt. of School Buildings, Park Ave. and 59th St., for sidewalks, yard pavements and steps at Hunter College on the westerly side of Lexington Ave. between 68th and 69th St.

✚**New York, N. Y.**—(Borough of Manhattan)—(Official)—Contracts have been awarded for improving Market St. from Cherry St. to East Broadway and Monroe St. from Pike to Market St. to the UVALDE ASPHALT PAVING CO., at $13,350; 15th St. from Ave. A to Third Ave. to the AZTEC ASPHALT CO., at $13,421; 30th St. from Eighth to Ninth Ave. to the AZTEC ASPHALT CO., at $5532; 32d St. from Second to Third Ave. to the AZTEC ASPHALT CO., at $4566; 40th St. from Second to Lexington Ave., to the AZTEC ASPHALT CO., at $7195. Noted Apr. 29 and May 20.

New York, N. Y.—(Borough of Queens)—Press reports state that a new highway will be built across Jamaica Bay to the Rockaways, shortening the present motor route by 12 miles. This highway will be a waterfront boulevard for practically its entire length of seven miles.

★**Scarsdale, N. Y.**—(Official)—Bids will be received until 2 p.m., June 29, by William Mercer, Supt. of Highways of the Town of Scarsdale, for constructing and improving certain highways and sidewalks. Jay Downer, 100 Broadway, New York, is Engr.-in-Charge.

✚**Elizabeth, N. J.**—The contract for paving Magnolia Ave. from Fifth to Trumbell St. has been awarded to SAMUEL SAMPSON, at $17,373.

Guttenburg, N. J.—The Town Council plans to pave Bergenline Ave. with trap-rock blocks. William J. Bramley is Town Clk.

✚**Harrison, N. J.**—The contract for improving Fourth St. from the Kearney line to the Jackson St. bridge by paving with bitulithic has been awarded to MAHER & McNICHOLS, at $35,170. Other bids were: Van Keuren & Son, $36,137; Northern Construction Co., $35,540; Standard Bitulithic Co., $37,970; Charles Kavanagh Co., $37,956. Noted Apr. 22.

Hoboken, N. J.—(Official)—Bids will be received until 10 a.m., June 23, by the Board of Commissioners for repaving portions of Grand, Adams and Madison St. Daniel A. Haggerty is City Clk.

Jersey City, N. J.—(Official)—Bids will be received until 2 p.m., June 24, by the City Commissioners for repaving Pavonia Ave. from Chestnut to Summit Ave. at an estimated cost of $8661. Noted June 10.

✚**New Brunswick, N. J.**—The Board of Chosen Freeholders of Middlesex County has awarded a contract for furnishing and applying asphalt binders to the county roads to MANNERING & CUMMINGS, Philadelphia, Penn.

Perth Amboy, N. J—Press reports state that the Board of Aldermen plans to improve Front St. from Market to Gordon St., by paving with concrete.

Trenton, N. J.—The Board of City Commissioners has approved an ordinance providing for an appropriation of $110,197 for paving a number of streets.

✚**West New York, N. J.**—The contract for improving 22d St. from Bergenline Ave. to the Hudson County Boulevard has been awarded to HORNUNG & BLAIR. Noted June 3.

Westville, N. J.—Press reports state that the City Council contemplates an expenditure of $50,000 for street improvements.

New Kensington, Penn.—The Borough Council contemplates issuing $100,000 in bonds, the proceeds of which will be used for paving and improving streets in the borough.

Philadelphia, Penn.—Bids will be received until June 22 by the Department of Public Works for improving a number of streets, at approximately $175,000.

Waynesburg, Penn.—Bids will be received until July 1 by the Borough Council for paving Franklin St. from Washington to Morgan St.

✚**Baltimore, Md.**—The city has awarded a contract to I. C. SMITH & CO., Richmond, Va., at $14,423, for paving Pratt St., from Howard to Light St., with new granite blocks and Sharp St. from Pleasant to Mulberry St., Bethel St. from Baltimore to Fairmont Ave., Philpot St. from Point to Thames St., Block St. from Dock to Caroline St., and Wills St. from Philpot to Dock St. with recut granite blocks.

✚**Baltimore, Md.**—The contract for paving Lombard St. from Exeter to Washington St. and Washington St. from Aliceanna to Fayette St. has been awarded to P. FLANIGAN & SONS, at approximately $29,130.

Elkins, W. Va.—Bids will be received until noon, July 1, by the City Council for paving a number of streets. George Henry is City Clk.

Oceana, W. Va.—An election will be held June 28 to vote on the question of issuing $550,000 in bonds, the proceeds of which will be used for constructing roads in Wyoming County.

Florence, S. C.—An election will be held June 30 to vote on the question of issuing $140,000 in bonds, the proceeds of which will be used for improving the streets.

Lake City, Fla.—An election will be held July 8 to vote on the question of issuing $250,000 in bonds, the proceeds of which will be used for constructing vitrified brick roads.

Manatee, Fla.—Press reports state that an election will be held June 29 to vote on the question of issuing $10,000 in bonds, the proceeds of which will be used for opening, widening and improving streets.

Selma, Ala.—Bids will be received until June 21 by the Board of Commissioners of Dallas County for grading and graveling 10 miles of the Barkersville Rd. and 3½ miles of the Blacock and Uniontown Rd.

Tuskegee, Ala.—Bids will be received until July 13 to grade, drain and gravel part of the Montgomery and Tuskegee Rd., Macon County at approximately $5000.

✚**Lake Charles, La.**—The Police Jury has awarded the contract for grading and graveling approximately two miles of road from Ryan and Alvin St. to the south end of the proposed bridge across the Calcasieu River to JOHN G. UNDERWOOD, at $12,000. Noted May 20.

New Orleans, La.—Bids will be received until 3:30 p.m., June 23, for paving roadway along the crown of the levee from Barracks St. to Esplanade Ave. with small granite blocks.

Murray, Ky.—At a recent election the question of issuing $200,000 in bonds for constructing roads was defeated. Noted Apr. 8.

✚**Akron, Ohio**—The contract for improving the Bath-Richfield Rd. has been awarded to the WINDSOR BROS. CONSTRUCTION CO., at $65,000. Noted Apr. 15.

✚**Arlington, Ohio**—The contract for paving Main St. has been awarded to the RINGWALDS SONS CO., Chillicothe, at $12,000.

Bellevue, Ohio—(Official)—Bids will be received until noon, June 17, by W. H. Grant, Dir. Pub. Ser., for paving a portion of South West St. with brick.

✚**Bexley, Ohio**—The contract for paving Parkview and Drexel Ave. has been awarded to the TRINIDAD PAVING CO., Lakeside Ave., Cleveland, at $73,000.

Celina, Ohio—Bids will be received until 1 p.m., July 8, by J. F. Steinbrunner, Audr. of Mercer County, for the sale of $20,500, the proceeds of which will be used for improving Gerlach Rd.

Cincinnati, Ohio—(Official)—Bids will be received until noon, July 9, by the Board of County Commissioners of Hamilton County for improving Lee's Creek Rd. from Biddinger Pike to Crosby Township line, in Harrison Township.

Columbus, Ohio—(Official)—Bids will be received until noon, June 28, by George A. Borden, Dir. Pub. Ser., for improving a number of streets.

✚**Columbus, Ohio**—The contract for improving Smoky Row Rd. in Marion Township has been awarded to the FRITZ-RUMER-COOKE-GRANT CO., Columbus, at $15,221.

✚**Dayton, Ohio**—The contract for paving a portion of West Third St. has been awarded to W. J. KERNAN & CO., at $13,820.

Findlay, Ohio—An election will be held July 14 to vote on the question of issuing $32,000 in bonds, the proceeds of which will be used for improving about 17 streets.

✚**Findlay, Ohio**—The contract for paving Midland Ave. has been awarded to C. B. HALL & SON, at $8786.

Lockland, Ohio—(Official)—Bids will be received until noon, July 6, by the Village Council for improving Mill St. from Wyoming Ave. to Paterson St. Ray Miley is Village Clk.

✚**Mt. Victory, Ohio**—(Official)—The contract for laying 6500 sq.yd. of brick pavement has been awarded to BREWER, TOMLINSON & BREWER, Chillicothe, at $14,300. Smith & Boulay, Nasby Bldg., Toledo, is Engr.

Norwalk, Ohio—(Official)—Bids will be received until 10:30 a.m., June 23, by the Board of County Commissioners for improving four miles of county highway in Huron County.

Norwalk, Ohio—Bonds for $36,300 have been sold, the proceeds of which will be used for improving streets.

✚**Toledo, Ohio**—Contracts have been awarded for paving Parkwood St. from Central to Detroit St. to RUSSELL & JENNISON, at $23,609; Cambridge St. from Georgia to Cherry St. to H. P. STREICHER CO., at $4917.

West Jefferson, Ohio—At a recent election bonds for $30,000 were voted, the proceeds of which will be used for improving a number of streets.

✚**Bloomington, Ind.**—The contract for constructing a gravel road in Perry Township has been awarded to CAMPBELL & DOBSON, Bloomington, at $8152.

Evansville, Ind.—(Official)—Bids will be received until 10 a.m., July 1, by the Commissioners of Vanderburg County for constructing a rock road in Scott Township. C. P. Beard is County Audr.

Gary, Ind.—(Official)—Bids were received June 7 for paving a section of Mass St. with (a) macadam pavement on slag foundation, (b) macadam pavement on stone foundation, as follows: M. D. Heiny, (a) $6942, (b) $6942; C. H. Henning, (a) $7513; W. F. Brunt, (a) $7672, (b) $7752; Jacob Sensibar, (a) $7856, (b) $7773; Sela H. Smith, (a) $8222, (b) $8222; L. E. McDermutt, (a) $9011, (b) $9011.

Indianapolis, Ind.—(Official)—Bids will be received until 10 a.m., June 18, by the Board of Public Parks for improving Sutherland Ave., Fall Parkway and East Drive.

✚**Indianapolis, Ind.**—The contract for paving East New York St. from Jefferson to Tacoma Ave. with asphalt has been awarded to the UNION ASPHALT CONSTRUCTION CO., at $10,298. Noted Apr. 22.

Noblesville, Ind.—(Official)—Bids will be received until 10 a.m., July 20, by the Commissioners of Hamilton and Marion Counties for constructing a county line road. W. O. Horton is Audr. Hamilton County.

South Bend, Ind.—Bids will be received until June 29 by the Board of Public Works for paving Allen St. with asphalt or brick. F. J. Anderson is City Engr.

Ann Arbor, Mich.—Bids were received June 2 for constructing 20,000 sq.yd. of asphaltic concrete pavement as follows: Good Roads Construction Co., Chicago, $31,170; F. G. Proudfoot, Chicago, $31,354; Globe Construction Co., Kalamazoo, $33,238. Noted May 27.

Belding, Mich.—(Official)—Smith & Boulay, Nasby Bldg., Toledo, Oho, has been retained to prepare plans for paving Main St. from Hanover to the Flat River, Bridge St. from Congress to the Pere Marquette R.R., Pleasant St. from Congress to Depot and Pearl St. from Congress to Main St.

✚**Detroit, Mich.**—A contract for laying 140,000 sq.yd. of pavement on Grand Blvd. has been awarded to the DEPARTMENT of PUBLIC WORKS.

Enumclaw, Mich.—The City Council has voted to pave Cole St. and repave Griffin Ave.

Flint, Mich.—All bids received for paving Broadway and Lewis St. have been rejected. The work will be done by day labor. D. E. Newcombe is City Clk.

Marshall, Mich.—(Official)—The City Council has authorized Smith & Boulay, Nasby Bldg., Toledo, Ohio, Engr., to prepare plans for paving Marshall and Kalamazoo Ave. with gravel or concrete.

Brocton, Ill.—(Official)—Bids will be received until 2 p.m., June 28, by the Commissioners of Highways of Embarrass Township Edgar County for constructing combination rock and gravel roads on four highways in Embarrass Township. H. Lee Beck is Town Clk.

Glenellyn, Ill.—Press reports state that the Board of Local Improvements has decided to pave several streets with concrete at an estimated cost of $85,000.

✚**O'Fallon, Ill.**—The contract for constructing a concrete and macadam roadbed on the Lebanon-O'Fallon Rd., which is a part of the Lincoln trail, has been awarded to the H. H. HALL CONSTRUCTION CO., East St Louis, at $16,900 a mile.

✚**Milwaukee, Wis.**—(Official)—The contract for grading and paving three miles of Center Rd. has been awarded to the JENSEN-JENSEN CO., Chamber of Commerce Bldg., Chicago, Ill., at $22,886. Noted June 3.

Shawano, Wis.—Press reports state that bids will be received until 7 p.m., June 25, by D. E. Westcott, City Clk., for paving 9233 sq.yd. with macadam and 3763 lin. ft. combined curb and gutter.

Columbus Junction, Iowa—The City Council has voted to pave Front and Walnut St.

Sioux City, Iowa—Hanlon & Oakes, Sioux City, at $39,998, submitted the lowest bid for paving Military Rd. with concrete.

✚**St. Paul, Minn.**—The contract for paving Lexington Ave. from Summit Ave. to Como Park has been awarded to FIELDING & SHEPLEY, at $123,900.

Beloit, Kan.—(Official)—Bids will be received until 7 p.m., June 21, by the City Clerk for constructing pavements. Worley & Black, Reliance Bldg., Kansas City, Mo., is Engr.

Wellington, Kan.—Bids will be received until June 21 by the City Clerk for paving F, G, H, Fourth and Second St. with asphaltic concrete on concrete base. J. W. Mavity is City Engr.

Fremont, Neb.—The City Council has voted to pave 2½ miles of streets.

Fairmont, Mont.—At a recent election the citizens voted in favor of issuing $60,000 in bonds, the proceeds of which will be used for improving streets.

Laurel, Mont.—Bids will soon be received for improving streets in Improvement District No. 15, at an estimated cost of $31,789. O. H. Bundy is City Clk.

Livingston, Mont.—The City Council plans to construct concrete sidewalks on Front and Sixth St., at an estimated cost of $10,000.

✚**Potosi, Mo.**—A contract for finishing about 18,000 sq.yd. of gravel and stone roads in Potosi Special Road District has been awarded to the KNORP CONSTRUCTION CO., De Soto. Noted Jan. 4.

Newport, Ark.—Bids will be received until June 21 by the city for paving Walnut St. with concrete. Ford & McCrae, Gazette Bldg., Little Rock, is Engr.

✚**Sheridan, Ark.**—The contract for constructing 28 miles of road in Grant County has been awarded to the COLE CONSTRUCTION CO., at approximately $103,941. Noted Apr. 8.

Karnes City, Tex.—The citizens of Karnes City District, Karnes County, voted to issue $75,000 in bonds, the proceeds of which will be used for the construction of roads. W. R. Barringer is Mayor.

✚**Kaufman, Tex.**—A contract for paving has been awarded to SLINE, LAYDEN & DAVIS, Forney.

Tulsa, Okla.—An election will be held June 18 to vote on the question of issuing $100,000 in bonds. The proceeds will be used for the construction of a boulevard. T. C. Hughes is City Engr.

✚**Rigby, Idaho**—The contract for constructing 12 miles of hard surfaced road in Bonneville County has been awarded to the E. L. PHELPS CONSTRUCTION CO.

✚**Castlerock, Wash.**—A contract for paving a number of streets has been awarded to GEORGE J. ALBERS & SON, Chehalis, at $12,092.

✚**Everett, Wash.**—The contract for constructing Permanent Highway No. 14 has been to the ATLAS CONSTRUCTION CO., at approximately $14,260.

Goldendale, Wash.—Bids will be received until 3 p.m., June 19, by the Commissioners of Klickitat County for constructing Permanent Highway No. 4. Lyman W. Ward is County Engr.

Montesano, Wash.—Bids will be received until 1:30 p.m., June 21, by W. D. Campbell, Audr. of Chehalis County, for improving Permanent Highway No. 11.

Olympia, Wash.—Bids will be received until June 28 by W. R. Roy, State Highway Comr., for grading, clearing, draining and surfacing about one mile of Pacific Highway from La Center north in Clarke County.

✚**Olympia, Wash.**—The Washington Highway Commission has awarded contracts for highway construction as follows: Lacey-Nisqually section of Pacific Highway, to L. H. GEORIG, Seattle, at $16,377; Pacific Highway from Toledo south, to ANDREW & HONER, Portland, Ore., at $18,748; approaches to a bridge across the Mashel River on the National Park Highway, to KENDLE & APPLER, Eatonville, Wash., at $17,355.

Port Townsend, Wash.—Bids will be received until June 22 by George Anderson, City Clk., for improving a number of streets.

✚**Port Townsend, Wash.**—The contract for constructing three miles of the Jefferson-Clallam Rd., Jefferson County has been awarded to FERCH & GASS, White Bldg., Seattle, at approximately $10,000. Noted May 27.

Seattle, Wash.—Bids were received June 1 for constructing the D. C. Mitchell Rd. as follows: Shepherd Cressman & Co., Spokane, $8330; West Coast Construction Co., Seattle, $9382; Horrocks Construction Co., Seattle, $9660; M. P. Zindorf, Seattle, $9694. Noted May 27.

Vancouver, Wash.—Bids will soon be received by the Clarke County Court for the construction of the Terry Hill Grade, near Camas; a highway extending east from Ridgefield, and a highway out of Vancouver, at an estimated cost of $35,621. Walter A. Schwartz is County Engr.

✚**Bakersfield, Calif.**—The Commissioners of Kern County have awarded the contract to WILLIAM J. CAHILL, at $18,902, for the construction of Division 10, Section 2, of the Bakersfield-Mojave Highway.

El Centro, Calif.—Press reports state that Main St. will be paved, at an estimated cost of $145,000.

Sacramento, Calif.—(Official)—Bids were received June 1 by the State Highway Commission for constructing roads in various counties as follows: (a) Tulare County, Section A, Route 10, (b) Monterey County, Section B, Route 2, (c) Colusa County, Section C, Route 7, (d) Humboldt County, Section E, Route 1; Taylor & Berliner, Los Angeles, (a) $24,957, (c) $42,002; W. A. Dontanville, Paso Robles, (a) $20,379, (b) $20,341; George S. Benson & Sons, Los Angeles, (a) $17,629; Manuel Jacinto, Sacramento, (b) $26,250; Lou G. Hare, Salinas, (b) $22,733; C. H. & A. W. Gorrill, San Francisco, (b) $28,829, (c) $41,490; J. Fitzpatrick, Sacramento, (b) $28,890, (c) $42,722, (d) $66,765; Peterson & Grier, San Francisco, (b) $23,381; Hoffman & McLaren, Oakland, (b) $28,410, (d) $55,790; W. B. Hunt & Sons, Alameda, (c) $42,242, (d) $69,317; Commary Peterson Co., Inc., San Francisco, (c) $43,860; L. F. Gerdetz, San Francisco, (c) $40,052, (d) $54,399; Bent Bros., Los Angeles, (c) $53,488; Marin Rock Co., San Anselmo, (c) $41,548; Frank L. Smith Co., Eureka, (d) $68,607; Bates Borland & Ayer, San Francisco, (d) $55,061; A. C. McLean Construction Co., San Francisco, (d) $71,063; Twohy Bros., San Francisco, (d) $72,855; Fairbanks & Baechtel, Willits, (d) $60,375; Mercer-Fraser Co., Eureka, (d) $65,806; G. W. Conners Eureka, (d) $60,081; F. Rolandi, San Francisco, (d) $77,730; W. A. Bechtel, Alton, (d) $70,147; A. Robinson & R.R. Smith, Fortuna, (d) $65,013; Crowley, Cloney & Green, Eureka, (d) $75,772.

✚Sacramento, Calif.—The State Highway Commission has awarded contracts for highway construction as follows: Tehama County, from Proberta to Red Bluff, 6.5 miles, to HOFFMAN & McLAREN, Oakland, at $43,657; Humboldt County, from Jordan Creek to Rio Del, 6.9 miles, to BATES, BORLAND & AYER, Oakland, at $55,061, for the grading only; Monterey County, from Chualar to Salinas, 10.3 miles, to W. A. DONTANVILLE, Paso Robles, at $20,340. Noted June 10.

Sausalito, Calif.—(Official)—Bids were received June 7 by the Board of Trustees for constructing 4259.15 lin.ft. of (a) bituminous brick (b) vitrified brick highway as follows: Clark & Henery, Stockton, (a) $20,489, (b) $20,986; Eaton & Smith, San Francisco, (a) $21,167, (b) $22,706; Munson & Son, Stockton, (a) $21,504, (b) $22,372.

St. Adolphe, Man.—Bids will be received until noon, June 23, by C. Gauthier for grading and ditching approximately 15 miles of road.

INDUSTRIAL WORKS

✚Waterville, Maine—The Maine Central R.R. has awarded the contract for the construction of additional shops to the HORACE PURINTON CO.

Derry, N. H.—The Woodbury Shoe Co. will replace its factory, which was recently destroyed by fire, with a four-story, 45x200-ft. building.

✚Boston, Mass.—The contract for the construction of a one-story, 80x160-ft. steel storage building for the Boston Consolidated Gas Co. on Hilton St. has been awarded to the BERLIN CONSTRUCTION CO., Berlin, Conn.

Boston, Mass.—Samuel Rose, 320 Main St., Cambridge, Mass., will build a five-story, 39x99-ft., brick manufacturing building on Oxford St., to cost about $65,000. F. A. Norcross, 46 Cornhill, is Arch.

✚Cambridge, Mass.—The Harvard Crimson has awarded the contract to W. H. & H. A. ROOT, 1 Beacon St., Boston, Mass., for the construction of a two-story, 66x130-ft. publishing building, to cost $70,000. Jardine, Hill & Murdock, 3 West 29th St., New York, N. Y., is Arch. Noted Mar. 11 and May 6.

✚Chicopee Falls, Mass.—The Fisk Rubber Co. has awarded the contract to the F. T. LEY CO., for the construction of a 50x160-ft. office building, a 110x310-ft. storehouse, and a 60x100-ft. garage. The estimated cost is $400,000. George B. Allen, Hartford, Conn., is Engr. Noted June 3.

Greendale, Mass. (Worcester post office)—Bids are being received for the construction of a four-story, 80x280-ft. concrete addition to the plant of the Horton Co. Frost & Chamberlain, Slater Bldg., is Arch.

✚Springfield, Mass.—The W. H. Miner Chocolate Co. has awarded the contract for the construction of a five-story, 60x150-ft. brick and concrete factory on Berkshire Ave. to DANIEL O'CONNELL'S SONS CO., Holyoke, Mass. The estimated cost is $70,000.

✚Watertown, Mass.—The Hood Rubber Co. has awarded the contract for alterations and additions to its factory to C. A. DODGE, 240 Albany St., Cambridge, Mass. W. G. Bitterlich is Engr. Noted Feb. 11.

Bridgeport, Conn.—The Locomobile Co. of America will build a four-story, 54x104-ft. addition to its plant to cost $35,000.

Bridgeport, Conn.—The Remington Union Metallic Cartridge Co. will build a 112x368-ft., a 49x209-ft., a 48x209-ft., a 68x202-ft., a 31x84-ft., and a 30x73-ft. building, all one-story, of brick and reinforced-concrete. The estimated cost is $145,000.

✚Hartford, Conn.—W. F. Jones, 1084 Main St., has awarded the contract to JOSEPH CUDEMO, 3 Washington St., for the construction of a six-story, 20x105-ft. storage building, estimated to cost $15,000. George Zummer, 756 Main St., is Arch.

✚Hartford, Conn.—The W. C. & C. E. Walker Co. has awarded the contract for the construction of a 52x208-ft. factory at 2 South Prospect St., to THOMAS F. BROBOZON. Fred C. Walz is Arch.

✚New Britain, Conn.—(Official)—The North & Judd Mfg. Co. has awarded the contract to the B. H. HUBBARD CO. for the construction of a five-story, 52x146-ft. factory, and a 1½-story, 42x110-ft. addition to its plant, estimated to cost $40,000. Unclebach & Perry is Arch. Noted May 6.

Jamestown, N. Y.—The Elite Furniture Co. will build a four-story, 54x112-ft. factory. Axel E. Bloomquist is Supt.

Poughkeepsie, N. Y.—(Official)—The Fargo Mfg. Co. contemplates the construction of additions to its factory. J. J. Wells is Engr.

✚Watertown, N. Y.—The Winslow, Day Co. has awarded the contract for the construction of a three-story, 50x125-ft. warehouse to GEORGE A. CARD. The estimated cost is $25,000. Noted Mar. 25.

✚Marcus Hook, Penn.—The United Roofing Co. has awarded the contract for the construction of nine one-, two- and three-story brick factories to W. W. LINDSAY & CO., Harrison Bldg., Philadelphia, Penn. The estimated cost is $125,000. Noted June 10.

Milton, Penn.—The American Car & Foundry Co., 165 Broadway, New York, N. Y., has authorized the expenditure of $50,000 for additions to its plant. B. B. Cannon is Resident Mgr.

Philadelphia, Penn.—(Official)—Bids have been received for the construction of a three-story, 65x75-ft. garage at 21st and Brandywine St. for J. D. Darlington & Co. William Steele & Sons Co., 1600 Arch. St., is Arch. Noted June 10.

Baltimore, Md.—The Terminal Freezing & Heating Co., will construct an eight-story cold-storage plant, and a three-story addition to its present plant. Estimated cost, between $150,000 and $200,000.

Charlottesville, Va.—Rothwell & Co., Martinsburg, W. Va., plans the construction of a cold-storage plant, to cost $75,000.

Beckley, W. Va.—The Raleigh Brick & Tile Co. has been incorporated with a capital of $75,000 and will build a plant. M. C. Brackman is interested.

✚Atlanta, Ga.—The Exposition Cotton Mills has awarded the contract for the construction of a two-story brick building to the GRIFFIN CONSTRUCTION CO. The estimated cost is $11,000. Noted Sept. 24.

Forsyth, Ga.—The Ensign Cotton Mills will build a two-story, 75x145-ft., brick addition to its plant.

Algiers, La. (New Orleans post office)—Morgan's Louisiana & Texas R.R. Co. will begin work July 1 on the construction of shop buildings and improvements to cost over $100,000. W. B. Scott, New Orleans, La., is Pres.

✚Akron, Ohio—The Mechanic Mold & Machinery Co., South High St., has awarded the contract for the construction of a one-story, 76x90-ft. machine shop to D. H. BOYER & CO., 824 St. Clair St. The estimated cost is $14,000. Harpster & Bliss, Nantucket Bldg., is Arch.

Cleveland, Ohio—(Official)—Bids have been received for the construction of a building at Chester Ave., N. E., and East 30th St. for the Neighbors Motor Co., 1918 Euclid Ave. The estimated cost is $50,000. H. F. Neighbors is Pres. Knox & Elliott, 1246 Rockfir St., is Arch. Noted June 3.

✚Cleveland, Ohio—The contract for the construction of a five-story, 75x250-ft. factory for the F. B. Stearns Co., at Euclid Ave. and Lakeview Rd., has been awarded to C. N. GRIFFIN & CO., 3111 Carnegie Ave. Frank B. Stearns is Pres. Noted May 20.

East Liverpool, Ohio—The Columbia Sheet Metal Co., recently organized, will build a $1,000,000 plant.

Hamilton, Ohio—The American Foundry & Machine Co., Fairview and Zimmerman St., contemplates the construction of a one-story, 100x100-ft. addition to its foundry with two two-story, 45x100-ft. wings. The estimated cost is $40,000. Fred G. Mueller, 705 Rentschler Bldg., is Arch.

Lima, Ohio—The Gramm Motor Car Co., Wapak Rd., will build a one-story, 100x400-ft. addition to its factory to cost $45,000. McLaughlin & Hulsken, 610 Savings Bldg., is Arch.

Lorain, Ohio—Bids have been received by H. O. Wurmser, Arch., 627 Broadway, for the construction of a three-story, 63x104-ft. cold-storage warehouse for Schmidtkons Bros. The estimated cost is $30,000.

✚Toledo, Ohio—The Standard Steel Tube Co., Fitchland Ave. and Michigan Central R.R., has awarded the contract for the construction of a one-story, 110x120-ft. addition to its factory to WALLS, BOCK & KUHLMAN, 1033 South Ave. The estimated cost is $20,000.

✚Toledo, Ohio—The contract for the construction of a five-story, 130x140-ft. warehouse for the International Harvester Co., has been awarded to JULIUS CONITE, 666 Oswald St., at approximately $90,000. Devore & McGormley, 304 Nasby Bldg. is Engr. Noted May 6.

✚Seymour, Ind.—(Official)—The Seymour Woolen Mills has awarded the contract to the CONSOLIDATED CONSTRUCTION CO., Indianapolis, Ind., for the construction of an 80x160-ft. weaving shed and a 60x60-ft. dye-house, both two stories, of brick and steel construction. W. E. Russ, 1405 Merchants Bank Bldg., is Arch. Noted June 3.

✚Detroit, Mich.—The Packard Motor Car Co. has awarded the contract for the construction of its new plant at East Grand Blvd. and the Michigan Central R.R. to the BRYANT & DETWILER CO. Noted Apr. 22.

Detroit, Mich.—Bids have been received by Smith, Hinchman & Grylls, Arch., 710 Washington Arcade, for the construction of a five-story, 96x133-ft. foundry for John B. Corlis, 34 Canfield Ave., W.

✚Detroit, Mich.—The Hudson Motor Car Co., Jefferson Ave., has awarded the contract for the construction of a two-story, 60x100-ft. addition to its factory to BRYANT & DETWILLER, Dime Bank Bldg. Kahn & Wilby, 58 La Fayette Ave., is Arch.

Jackson, Mich.—The Briscoe Motor Co. contemplates the construction of factories on a site recently purchased. The buildings will cover between 10 and 15 acres.

✚Eau Claire, Wis.—The contract for the construction of a four-story, 80x120-ft. storage plant for the Drummond Packing Co., 409 Galloway St., has been awarded to the Wisconsin Construction Co., Chippewa Falls, Wis. The estimated cost is $78,000. R. I. Davis & Co., 431 South Dearborn St., Chicago, Ill., is Arch. Noted May 27.

Milwaukee, Wis.—Bids will be received until June 20 for the construction of a two-story, 60x73-ft., reinforced-concrete and brick addition to the plant of the R. Gumz Co., Muskego Ave. and Canal St. The estimated cost is $17,000. Charles L. Lesser, 599 71st Ave., is Arch.

Superior, Wis.—The Twohy-Elmon Co., Winter St. and Bank Ave., contemplates the construction of a $100,000 cold-storage plant and warehouse. Peter Elmon is Pres.

Omaha, Neb.—The National Printing Co., 509 South 12th St. will build a six-story, 66x132-ft. printing plant. W. E. Stockham, 426 Ramge Bldg., is Arch.

Roundup, Mont.—The contract for the construction of a 25,000-bu. grain elevator for W. P. Ladd has been awarded to the GLOBE CONSTRUCTION CO., Lewistown, Mont.

Kansas City, Mo.—Plans have been revised by Madorie & Birdsall, Arch., 832 Reserve Bank Bldg., for the construction of a three-story, 50x120-ft. laundry for the Bachelor Laundry, 2028 Broadway.

St. Louis, Mo.—Bids have been received by Leonhard Haeger, Arch., 3844 Utah Pl., for the construction of a two-story dairy plant for the Pavely Dairy Co., 33rd St. & Park Ave. The estimated cost is $50,000.

✚**St. Louis, Mo.**—H. C. Tully, 105 North 7th St., has awarded the contract for the construction of a two-story, 103x106-ft. factory to B. BRIGADIER, 1439 North 24th St. Kennerly & Stiegemeyer, Benoist Bldg., is Arch.

El Paso, Tex.—The El Paso Ice & Refrigerator Co. plans to build an addition to its plant, to cost $12,500.

Oklahoma City, Okla.—The Alexander Drug Co. plans the construction of a five-story, 150x160-ft. warehouse on Sixth St. Estimated cost, $125,000.

Idaho Falls, Idaho—A 500-bbl. flour mill, estimated to cost $75,000 will be constructed soon by the Western Milling & Elevator Co.

Seattle, Wash.—(Official)—Bids will be received about July 1 for the construction of a four-story, 45x108-ft. reinforced-concrete building for the Puget Sound News Co. The estimated cost is $50,000. Bebb & Gould, Denny Bldg., is Arch. Noted May 13.

✚**Portland, Ore.**—The contract for the construction of a three-story, 100x150-ft. warehouse at 15th and Overton St. for the Mason, Ehrman Co. has been awarded to JAMES P. TAYLOR. Doyle & Patterson is Arch. Estimated cost, $35,000. Noted June 10.

Berkeley, Calif.—The California Cured Fruit Exchange, 417 Market St., San Francisco, Calif., will build a $28,800 warehouse.

San Fernando, Calif.—The San Fernando Lemon Association will build a two-story, 200x200-ft. reinforced-concrete and tile packing house. Herbert A. Hamm, 100 North Daisy Ave., La Manda, Calif., is Arch.

✚**Vancouver, B. C.**—The contract for the construction of the Terminal Grain Elevator on Salisbury Drive has been awarded to BARNETT, McQUEEN & CO., LTD., Fort William, B. C. The estimated cost is $700,000. E. D. Cassedy, Ch. Engr., Bd. of Grain Comrs., is in charge.

Ft. William, Ont.—The Western Terminal Elevator Co. will erect a reinforced-concrete mixing elevator, adjacent to its present plant, at an approximate cost of $11,000.

✚**Hamilton, Ont.**—The Canadian Cartridge Co., recently organized, has awarded the contract for the construction of a $30,000 factory to J. CHRISTMAN, South Bend, Ind.

✚**London, Ont.**—The London Advertiser Co. has awarded the contract for the construction of a reinforced-concrete printing plant to JOHN HAYMAN & SONS. The estimated cost is $50,000. T. H. Purdon is Pres.

St. Catharines, Ont.—The Lord & Burnham Co., Irvington-on-the-Hudson, N. Y., will build a $100,000 plant at St. Catharines.

FEDERAL GOVERNMENT WORK

Locomotive Crane—Boston, Mass.—Bids were received June 12 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing one locomotive crane at the Boston Navy Yard, as follows: Link-Belt Co., Chicago, Ill., $6286, $6000*; Brown Hoisting Machinery Co., Cleveland, Ohio, $6200*; Browning Co., Cleveland, Ohio, $5632; Orton & Steinbrenner Co., Chicago, Ill., $5640, $4780*; Industrial Works, Bay City, Mich., $5800*; American Hoist & Derrick Co., St. Paul, Minn., $6000*, $6250*; and McMyler Interstate Co., Bedford, Ohio, $5800*. *On bidders' specifications. Noted Jan. 28 and May 27.

Pier Repairs—Boston, Mass.—Bids were received on June 12 by the Bureau of Yards and Docks for the repairs to Pier No. 5, at the Boston Navy Yard, as follows: W. L. Miller Co., Boston, $9347; W. H. Ellis & Son Co., Boston, $11,830; C. M. Leach, Boston, $14,733; George T. Rendell Co., East Boston, $9064; Coleman Bros., Chelsea, $11,540. Noted June 3.

★**Scow and Dredge**—New York, N. Y.—Bids were received May 29 for constructing a scow and dredge "General Gillespie," as follows: Baltimore Drydock & Shipbuilding Co., Baltimore, Md., $150,500; Theodore Smith & Sons Co., Jersey City, N. J., $160,640; Bucyrus Co., South Milwaukee, Wis., $210,000; Ellicott Machine Corporation, Baltimore, Md., $175,250; Marion Steam Shovel Co., Marion, Ohio, $135,275, alternate $147,275, and Timothy J. Dady, Brooklyn, $172,049, alternate $173,049. Noted May 6.

Equipment—Tompkinsville, N. Y.—Bids will be received until 2 p.m., June 22, by J. T. Yates, Lighthouse Inspector, Tompkinsville, for furnishing one complete electric arc welding outfit for the general Lighthouse Depot, Tompkinsville.

✚★**Sea Wall**—Sandy Hook, N. J.—(Ft. Hancock post office)—Bids were received May 29 for constructing a sea wall at Sandy Hook, as follows: (a) furnishing stone with use of Government R.R., (b) furnishing stone without using Government R.R., (c) for unloading stone furnished by the Government and (d) furnish stone on board lighters at Ordnance dock, Sandy Hook. Louis J. Sieling (b) $2.33 per ton; Obrien Bros., (d) $0.70; Moran Towing & Transportation Co., (d) $0.65; Ralph M. Brown, (a) $2.24; CONGER, DUNCAN CONSTRUCTION CO., INC., New York, N. Y., at $8776 (awarded contract); and BOUKER CONTRACTING CO., Memphis, Tenn., at $3221 (awarded contract). Noted May 27.

Post Office—Reading, Penn.—Bids were received June 8 for remodeling and improving the post office at Reading, as follows: Norcross Bros. Co., New York, N. Y., $90,945; J. S. Rogers & Co., Moorestown, N. J., $98,423; Thomas W. Cissell, Wooster, Ohio, $115,000; M. E. Egger & Son, Danville, Ill., $98,455; John Lowry, Jr., New York, N. Y., $90,800; William H. Fissell, New York, N. Y., $99,878; H. F. L. Hummell, Reading, $97,634. Noted May 6.

✚**Boilers**—Washington, D. C.—The contract has been awarded to BABCOCK & WILCOX CO., New York, N. Y., at $31,800, for installing boilers in the Army transport "Warren."

★**Machinery**—Washington, D. C.—Bids were received June 8 by the Department of the Interior for furnishing stokers and coal and ash handling machinery for the power house of the Government Hospital for the Insane at Washington, as follows: Item (a), stokers; item (b), coal and ash handling machinery; (c), alternate to item (b); (d), soot-blowing apparatus; (e) coal weighing machinery. Westinghouse Electric & Mfg. Co., Pittsburgh, Penn., (a), $18,000; Busch Foundry & Equipment Co., Bridgeport, Penn., (a) $15,270; Under Feed Stoker Co. of America, Harris Trust Bldg., Chicago, Ill., (a), $19,513; alternate bid, $18,500; R. H. Beaumont Co., Philadelphia, Penn., (b), $21,000; (c), $15,770; (e), $22,500; alternate, $21,300; Bayer Steam Soot-Blower Co., St. Louis, Mo., (d), $2600; Diamond Power Specialty Co., Detroit, Mich., (a), $1925; Specialty Engineering Co., Philadelphia, Penn., (b), $18,910; (e), $750; Link-Belt Co., Philadelphia, Penn., (b), $20,475; National Stoker Co., Washington, D. C., (a), $15,850; Murphy Iron Works, Detroit, Mich., (a), $17,650; Giartinar-Daviess Engineering & Construction Co., St. Louis, Mo., (c), $2587; Guarantee Construction Co., New York, N. Y., (c), $13,610; (e), $14,607; Detroit Stoker Co., Detroit, Mich., (a), $14,850; Carl Wegemann & Co., Inc., New York, N. Y., (b), $18,950; (c), $14,950; Laclede-Christy Clay Products Co., St. Louis, Mo., (a), $17,625; Combustion Engineering Co., New York, N. Y., (a), $18,500; and Alvey Ferguson Co., Cincinnati, Ohio, (b) $26,400.

Ordnance—Washington, D. C.—Bids advertised to be opened June 9 by the Bureau of Ordnance, Navy Dept., Washington, D. C., for a large quantity of shell, have been postponed until noon, July 14, in order to permit certain important changes in specifications.

✚**Remodeling Hospital**—Washington, D. C.—The contract for remodeling the Naval Hospital at Washington has been awarded to the DETROIT HEATING CO., Washington, at $9596. Noted May 20.

Shrubbery—Washington, D. C.—Bids will be received until 10 a.m., July 7, by James A. Wetmore, Acting Superv. Arch., Treasury Dept., Washington, D. C., for planting trees and shrubs on the grounds of the Federal buildings at New Brunswick, N. J., Braddock, Chambersburg, Johnstown, Oil City and Steelton, Penn., Mattoon, Ill., Abbeville, S. C., New London, Conn., and Marlboro and North Adams, Mass.

Steps—Washington, D. C.—Bids were received June 9 by the Superintendent of the U. S. Capitol for replacing with new material the eastern steps of the U. S. Capitol, as follows: Cranford Paving Co., Washington, D. C., $10,500, Beaver Dam marble; Thomas Riley, Philadelphia, Penn., $12,930, Stone Mountain granite; Vermont Marble Co., Washington, D. C., $7600, Vermont marble; Alabama Marble Co., Grant's Ferry (Grant post office), Ala., $10,000, Alabama marble; Hilgartner Marble Co., Baltimore, Md., $11,500, Beaver Dam marble; J. E. Smith Cut Stone Co., Mt. Airy, N. C., $10,225, Stone Mountain granite; Arthur Cowsill, Washington, D. C., $9620, Cherokee marble; $9120, Stone Mountain granite; $11,309, Tennessee marble; $11,220, Dummerston marble; $10,686, Beaver Dam marble, and $9644, Amicolola marble; Beaver Dam Marble Co., Baltimore, Md., $10,975; Blue Ridge Marble Co., Nelson, Ga., $9495, Cherokee Georgia marble, A; and $8995, Cherokee Georgia marble, B; Norcross Bros. Co., Worcester, Mass., $18,000; Troy granite; $13,368, Georgia marble; $12,368, Vermont marble; $16,800, Concord granite, and $17,500, Milford granite; B. A. & G. A. Williams, New York, N. Y., $11,600, Concord granite, $9950, South Dover marble, and $10,670, Georgia marble.

Tools and Hardware—Washington, D. C.—Bids will be received until 2 p.m., July 6, by the Quartermaster General of the Army, Washington, for furnishing tools and hardware for the fiscal year 1916.

Shipbuilding Cranes—Norfolk, Va.—Bids were received June 12 by the Bureau of Yards and Docks, Navy Dept., Washington, D. C., for furnishing two jib cranes for shipbuilding ways at the Navy Yard, Norfolk. Cranes are to be of the stationary, self-supporting, high-jib, trolley type. Brown Hoisting Machinery Co., Cleveland, Ohio, $49,700; Terry & Tench Co., Inc., New York, N. Y., $23,100; Laurence D. Weaming, Cleveland, Ohio, $20,600; McMyler Interstate Co., Bedford, Ohio, $19,800. Noted May 6 and 13.

Roofing Material—Atlanta, Ga.—Bids were received by the Superintendent of Prisons, Dept. of Justice, Washington, D. C., for furnishing roofing material for the U. S. penitentiary, Atlanta, as follows: Knox & Maier Co., Atlanta, $5236.17; Dowman & Dozier Mfg. Co., Atlanta, $7133; George A. Riddle & Co., St. Louis, Mo., $6277.64; Carolina Portland Cement Co., Atlanta, $2488, part bid; C. S. Garrett & Son Corporation, Philadelphia, Penn., felt, $43.96 per 2000 lb.; pitch, $19.20 per 2000 lb.; cement, $4.86 per 100 lb.; A. C. Horn Co., Long Island City, N. Y., $36 for elastic roofing cement only; U. T. Hungerford Brass & Copper Co., New York, N. Y., $2002 for nails and sheet copper only.

✚★**Steel Lighters**—Savannah, Ga.—Bids were received May 26 for constructing steel lighters as follows: Ellicott Machine Corporation, Baltimore, Md., $12,182; Merrill Stevens Co., Jacksonville, Fla., $10,541; U. S. Navy Yard, Charleston, S. C., $13,700; Wilmington Iron Works, Wilmington, N. C., $19,954; Pusey & Jones Co., Wilmington, Del., $17,400; Dravo Contracting Co., Pittsburgh, Penn, $9435; VALK & MURDOCK CO., Charleston, S. C., $9248 (awarded contract). Noted Apr. 29.

Levee Work—Vicksburg, Miss.—Bids will be received until 11 a.m., June 26, by the Third Mississippi River District, Box 404, Vicksburg, for constructing about 500,000 cu.yd. of levee enlargement.

✚**Levee Work**—Vicksburg, Miss.—The contract has been awarded by the Third District of U. S. Engineers to W. H. DENNISON, at $14,370, for 666,000 yd. of levee work on the Beulah levee. Noted June 3.

✚Levee Work—Memphis, Tenn.—Bids were received May 26 by Maj. E. M. Markham, Memphis, for levee work in (a) Upper St. Francis, (b) Lower St. Francis, and (c) White River levee districts, as follows: N. C. Williams, Millikin, La., (c) $136,666; Yale & Reagan, Chicago, Ill., (a), (b) $413,416; Hercules Co., Ltd., New Orleans, La., (a) $511,450; E. J. Scott, St. Louis, Mo., (a) $328,100; S. M. Bush, Memphis, Tenn., (a), (b) $508,752; S. R. Hughes, Vicksburg, Miss., (c) $139,340; Roper Bros., Memphis, Tenn., (a), (b) $224,724 (part); J. H. Cary, Memphis, Tenn., (b) $191,023 (part); Oglesby Construction Co., Memphis, (a), (c) $373,254 (recommended for acceptance); W. H. Dennison, Memphis, (b) $231,094; H. B. Blankis Levee Co., Vicksburg, Miss., (a) $364,770; M. C. Connors & Co., Chicago, Ill., (b) $149,570; Jackson Construction Co., Natchez, Miss., (b), (c) $329,141; Sessions, Walker & Hill, Brumette, La., (a), (b), (c) $571,972; Bondurant, Clark & Co., Hickman, Ky., (b), (c) $312,128; R. L. Leonard, Memphis, (a), (b) $656,219; Rodgers Bros., Memphis, (a), (b), (c) $466,360; M. Tansey, Arkansas City, Ark., (b) $45,927 (part); Fred M. Crane Co., Omaha, Neb., (a) $403,515; Donaven & Daley, Lake Providence, La., (c) $146,300; George F. Ramsey, Memphis, (a) $67,920; W. T. & E. M. Lowrance & Co., Memphis, (a), (c) $317,890; J. A. Burt, Bond & McMurray, Gunnison, Miss., (c) $133,549; Cameron, Joyce & Co., Keokuk, Iowa, (a) $454,847; Grant, Smith & Co. & Locker, Rome, N. Y., (a) $395,650; Roach, Stansell, Lowrance Bros. & Co., Memphis, (a), (b), (c) $725,265; Linnan Bros., Memphis, (b) $128,154; J. M. Sullivan, New Orleans, La., (c) $153,315; Claude Cummins, Oakland, Calif., (a) $308,430; C. C. Aderholdt, Portageville, Mo., (b) $191,135, and Bondurant Construction Co., Hickman, Ky., (a) $320,483. Noted May 6.

✚Dredge—Louisville, Ky.—The contract for constructing the "Nolin River" dredge has been awarded to the DRAVO CONTRACTING CO., Pittsburgh, Penn., at $9375. Noted Apr. 29.

Metal Work—Milwaukee, Wis.—Bids will be received until 2 p.m., June 21, by the Lighthouse Inspector, Milwaukee, for metal work for the steel tower of the Manistque Light Station.

Building—Tomah, Wis.—Miller & Lamb, Tomah, was low bidder at $9961 for constructing a brick building for employees at the Tomah Indian Agency.

School—Crow Agency, Mont.—Bids will be received until 2 p.m., June 30, by Cato Sells, Comr. of Indian Affairs, Washington, D. C., for constructing a brick school and installing heating systems in the two dormitories.

✚✚Dike—Waverly, Mo.—The contract has been awarded to the KANSAS CITY BRIDGE CO., Kansas City, at $75,350, for constructing timber crib on the Missouri River. Noted Apr. 29.

Post Office—Webb City, Mo.—Bids will be received until 3 p.m., July 26, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing complete the U. S. post office at Webb City.

Remodeling Court House—Galveston, Tex.—Bids will be received until 3 p.m., July 14, by James A. Wetmore, Act. Superv. Arch., Washington, D. C., for remodeling the U. S. court house at Galveston and for remodeling the post office and custom house.

Oil Burning Plant—Port Townsend, Wash.—Bids will be received until 3 p.m., June 24, by James A. Wetmore, Act. Superv. Arch., Washington, D. C., for an oil-burning plant for heating boilers in the U. S. Marine Hospital at Port Townsend.

✚Storehouse—Puget Sound, Wash.—The contract has been awarded to MARTIN DUGAN, Seattle, at $36,513, for constructing a storehouse at the Naval Station. Noted May 6 and June 3.

Lumber—Seattle, Wash.—Schwager-Nettleton Mill Co., Cobb Bldg., Seattle, was low bidder at $15,863 for supplying lumber to the Alaska Engineering Commission, Seattle, for construction work on the Alaska R.R.

Building—Ft. Mason, Calif.—Bids will be received until 11 a.m., June 19, by the Quartermaster, Ft. Mason, for constructing a concrete ward at the Letterman General Hospital.

✚Water and Sewer Systems—San Diego, Calif.—The contract has been awarded to the POWER EQUIPMENT CO., Rialton Bldg., San Francisco, at $10,650, for constructing water and sewer systems at the Naval Station. Noted May 20 and June 3.

Locomotives—Panama—Bids will soon be received by the Purchasing Agent, Panama Canal, Washington, D. C., for furnishing 12 towing locomotives for the Panama Canal.

Standpipe—San Juan, Porto Rico—Bids will be received until 10 a.m., July 9, by the Quartermaster for constructing a 70,000,000-gal. steel standpipe or tank and trestle, at Mt. El Morro.

MISCELLANEOUS

Tanks—Chelsea, Mass.—The Mexican Petroleum Co. will erect six storage tanks on Eastern Ave.

✚Dredging and Riprap—Gloucester, Mass.—The following are the bids received by the Board of Harbor and Land Commissioners for the dredging of a six-foot channel in Mill River, 385 ft. long and 60 ft. wide, and for the construction of an earth dike on the west bank of the Connecticut River for 900 ft.; also for depositing 1950 tons of broken stone for a riprap wall. For Gloucester channel, item 1 is for dredging and item 2 is for the removal of boulders exceeding one cu.yd.: John H. Gerrish, 32c.; $8; BAY STATE DREDGING CO., .295c.; $9 (awarded contract); Eastern Dredging Co., 31c.; $9. For the Connecticut River work, item 1 is for the dike and item 2 for the stone: Way & Cecilli, $1.25; $2.40; Rivers & Young, 73c.; $2.55; C. M. Leach, 95c.; $4.53; DANIEL O'CONNELL'S SONS, 50c.; $1.78 (awarded contract).

Motor Fire Apparatus—Lowell, Mass.—The city has appropriated $15,000 for the purchase of motor fire apparatus. Dennis J. Murphy is Mayor.

✚Schooner—Weymouth, Mass.—The contract for constructing a 10,000-ton freight schooner for the Edwin F. Luckenbaels Co. has been awarded to the FORE RIVER SHIPBUILDING CORPORATION.

✚Mausoleum—Newark, N. Y.—The general contract for erecting a mausoleum to contain 140 crypts at the Willow Ave. Cemetery has been awarded to F. H. SIEVERT, Bloomville, Ohio. Sub-contracts were awarded as follows: Granite work, SARGENT GRANITE CO., Mt. Airy, N. C.; marble work, VERMONT MARBLE CO., Proctor, Vt.; bronze work, DETROIT MAUSOLEUM EQUIPMENT CO.

✚Pavilion—New York, N. Y.—(Borough of Bronx)—Official)—The contract for constructing a concrete pavilion at Riverside Hospital, North Brother Island, has been awarded to KELLY & KELLY 12th St., Long Island City. Noted May 13.

Screenings, Trap Rock, Etc.—New York, N. Y.—(Borough of Brooklyn)—(Official)—Bids will be received by the Department of Parks, Municipal Bldg., Manhattan until 3 p.m., June 24, for the following: Limestone screenings to Prospect Park; trap rock to Ocean Parkway and Ave. P; Cow Bay sand and gravel to Prospect Park and the gravel pit, Ocean Parkway and Ave. P.

Pavilion—New York, N. Y.—(Borough of Brooklyn)—(Official)—The following are the bids received by the Board of Health for the construction of a pavilion at the Kingston Ave. Hospital: Benedetto, Clark & Nugent, $73,614; C. L. Dooley Inc., $80,897; T. J. Waters, $71,800; John T. Brady, $73,510; William Flanagan, $77,350; Marble Arch Co., $87,000; Joseph Kressl, $73,400; H. C. Stowe Construction Co., $79,880; G. H. Mackaroy, $78,086; James McArthur Co., $82,417; R. H. Brown, $74,312; Harvy Abrams & Melius, $83,400; Kelly & Kelly, $77,800; T. J. Fearon, 32 Broadway, $66,972.

✚Subway Station—New York, N. Y.—(Borough of Brooklyn)—The contract has been awarded by the Public Service Commission, 154 Nassau St. (Borough of Manhattan), for the construction of the station finish of the Fourth Ave. subway, a part of the Broadway-Fourth Ave. Rapid Transit R.R. from center to Flatbush Ave. extension to a point on Fourth Ave., about 150 ft. south of 42d St. to D. C. SERBER, 1123 Broadway at $40,383. Noted May 27 and June 3.

Pier—New York, N. Y.—(Borough of Brooklyn)—The following are the bids received by R. A. C. Smith, Comr., Docks and Ferries, for building a new pier at the foot of 29th St.: Foundation Co. (Class No. 1), $147,400; (Class No. 2), $8977; (total) $156,377; McHarg Barton Co. (total), $122,587; W. B. Seaver, $145,384; $10,687; $156,071; Snare & Triest, $118,720; $8550; $127,270; Henry Stears, 17 Battery Place, $107,000; $9148; $116,148; Riverside Contracting Co., $115,816; $9832; $125,648; Stillman Delahanty & Ferris, $114,990; $7994; $122,984; G. B. Spearin, $124,994; $10,877; $135,871; New York Submarine Co., $123,498; $8550; $132,048; Phoenix Construction Co., $123,897; $8550; $132,447. Noted May 6 and June 3.

Canal Improvement—New York, N. Y.—(Borough of Brooklyn)—The Board of Estimate has made an appropriation of $80,000 for the improvement of Mill Creek Canal. The canal will be dug to a width of 300 ft.

Dredging—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received by R. A. C. Smith, Comr. of Docks, Pier A, Battery Pl., for dredging for the Riverside Park improvement, West 87th to West 93d St., North River.

✚Removal of Street Encroachments—New York, N. Y.—(Borough of Manhattan)—(Official)—The contract for the removal of street encroachments, etc., at Public School No. 86, Lexington Ave. and 96th St. has been awarded to C. L. DOOLEY, 257 Adelphi St. (Borough of Brooklyn) at $9669. Noted June 10.

Motor Fire Apparatus—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received for furnishing and applying 26 two-wheel gasoline tractors, 16 for fire engines and 10 for hook and ladder trucks, from James Boyd & Bros., Inc., at $84,760, and the Front Drive Motor Co., Hoboken, N. J., at $86,680. Noted June 10.

Screen Work—New York, N. Y.—(Borough of Richmond)—(Official)—Bids will be received until June 22 by the Department of Public Charities, Municipal Bldg., Manhattan for the installation of certain screen work on the windows and balconies of various buildings of the Sea View Hospital. Noted May 13 and 27.

Fire Station—Newark, N. J.—The Board of Chosen Freeholders have rejected all bids for the erection of the fire station at Overbrook Hospital.

Grand Stands—Newark, N. J.—All bids were rejected June 10, by the Essex County Park Commission for constructing two grand stands, one 188 ft. long and the other 225 ft. totaled $45,019 for the 188-ft. structure and $54,205 for the 225-ft. structure. Noted May. 20.

Motor Fire Apparatus—West New York, N. J.—The following are the bids received by the Town Council for furnishing fire apparatus: Front Drive Motor Co., Hoboken, N. J., $8200 for a 75-ft. Seagrave aërial truck and $8650 for an Ahrens-Fox triple combination pumping engine; American La France Fire Engine Co., $11,000; $9400; $11,500; Seagrave Co., Boston, Mass., $12,930; $16,200. Noted May 20 and June 3.

✚Motor Fire Apparatus—West Orange, N. J.—The contract for furnishing the city with a triple-combination motor chemical wagon and a motor driven hook and ladder, has been awarded to the AMERICAN LA FRANCE ENGINE CO., Elmira, N. Y., at $14,500.

Swimming Pool—Philadelphia, Penn.—Bids will be received until noon, June 17, by the Board of Recreation, City Hall, for building a swimming and wading pool at Waterview Recreation Park.

✚Memorial—Shepherdstown, W. Va.—The contract for the erection of a granite memorial to James Rumsey has been awarded to the FORBES GRANITE CO., Chambersburg, Penn., at $15,300.

Drainage—Holly Hill, S. C.—Bids will be received by the Board of Rum Neck Drainage Commissioners, until June 22, for constructing a canal about five miles long. The work requires about 14,740 cu.yd. of excavation. M. L. Breland is Chn. of Bd.

Drainage—Bartow, Fla.—The date for receiving bids by the Peace Creek Drainage District, 77 Main St., for construct-

ing about 142 miles of drainage ditches, has been postponed until July 1. C. G. Elliott, McLachlen Bldg., Washington, D. C., is Ch. Engr. Noted Feb. 25 and May 6.

Wharves, Docks—Pascagoula, Miss.—A bond issue for $17,000 has been passed for the purpose of constructing public wharves or docks.

Levee Work—New Orleans, La.—(Official)—Bids will be received by the Board of Commissioners, New Orleans Court Bldg., until 3 p.m., June 22, for the following work along the Mississippi River: Levee work from Southern Pacific R.R. terminal to U. S. naval station, Fifth District, right bank of river; Aurora levee, Fifth District, right bank of river; levee work upper Stanton, Fifth District, right bank of river; filling in borrow pits, U. S. Government depot to lower end of Audubon Park, Sixth District, left bank of river.

Telephone and Telegraph Equipment—Cincinnati, Ohio—Bids will be received by Ernst Von Bargen, City Pur. Agt., City Hall, until noon, June 28, for furnishing police telegraph and telephone central office equipment and police and fire alarm boxes.

Bath House—Cincinnati, Ohio—Bids will be received by Philip Fosdick, Dir. of Pub. Ser., until June 17 for building a concrete bathouse, estimated to cost $28,000. Louis G. Dittoe, Provident Bank Bldg., is Arch.

Retaining Wall—Cincinnati, Ohio—Bids will be received by the Board of County Commissioners until noon, July 2, for constructing a retaining wall. Albert Reinhardt is Clk.

Pavilion—Cleveland, Ohio—Bids will be received by the Commisisoner of Purchases and Supplies, Room 511, City Hall, until noon, June 23, for the construction of a pavilion in Rockefeller Park. Specifications may be obtained from F. H. Betz, Arch., 420 City Hall.

Retaining Wall.—Loveland, Ohio—Bids will be received by the Board of County Commissioners, Cincinnati, until noon, July 2, for constructing a retaining wall on the Little Miami River.

Levee Embankment, Etc.—Midletown, Ohio—Bids will be received by John I. Miller, Supt. of Pub. Wks., Columbus, until 2 p.m., July 2, for building a levee embankment, a concrete culvert and repairing concrete spillway, at the Umbenhauer farm at the State Dam, north of Middletown.

✚Levee—Piqua, Ohio—The contract for the construction of the Shawnee levee has been awarded by the County Commissioners to the OHIO MARBLE CO., Piqua, at $17,633. L. P. Knoop is County Engr. Noted June 3.

Levee Improvements—New Albany, Ind.—Samuel T. Mann, City Engr., is preparing plans for improvements to the levee.

✚Fire Apparatus—Terre Haute, Ind.—The Board of Public Safety has awarded the contract for furnishing three combination hose and chemical motor cars and one automatic 75-ft. aërial truck to the SEAGRAVE CO., Columbus, Ohio, at $24,950. Noted Apr. 22.

✚Levee—Cairo, Ill.—According to press reports the contract for the levee and ditch work in the Clear Creek Drainage and Levee District and the North Alexander County Drainage District has been awarded to the CANAL CONSTRUCTION CO., at $218,922. The district lies in both Union and Alexander Counties, and about 22,912 acres of land will be reclaimed.

Steam Shovel—Chicago, Ill.—Bids will be received by W. R. Moorhouse, Comr. of Pub. Wks., until June 18 for furnishing and delivering a revolving steam shovel f.o.b. cars Mayfair siding, Chicago, Milwaukee & St. Paul Ry.

Levees—Springfield, Ill.—The State Legislature has appropriated $45,000 for completing levees at Cairo, Mound City and Shawneetown.

Drainage—Baraboo, Wis.—The following bids were received for constructing a drainage system: Sweeney Bros., Reedsburg, $13,800; Pastoret Construction Co., Duluth, Minn., $16,000; Thornton Bros., St. Paul, Minn., $16,600. H. E. French is City Engr.

✚Retaining Wall—Milwaukee, Wis.—The contract for constructing a retaining wall in Lake Michigan, about 1000 ft. in length, has been awarded by the Park Board to A. H. VOGEL, at $17.69 per ft.

Speedway—Des Moines, Iowa—The Prince Speedway Co., Des Moines, will construct a one-mile speedway at Valley Junction.

Ditch—Buffalo, Minn.—Bids will be received by John A. Berg, County Audr., for constructing County Ditch No. 24, also lateral No. 1.

✚Ditches—Jackson, Minn.—The contract for constructing judicial ditch No. 31 has been awarded to WILLIAM NEUMAN, Lakefield, at $17,300, and for judicial ditch No. 37 to C. R. MITCHEL, Lakefield, at $6953. A. D. McKillar is County Audr.

Municipal Improvements—Kansas City, Mo.—The city has voted to issue $4,560,000 in bonds for various municipal improvements. Noted Apr. 29.

Levee—McGehee, Ark.—Press reports state that the taxpayers in the Cypress Creek Drainage District have voted to appropriate $110,000 for filling in the gap of the levee in Desha County.

Wharves, Docks, Etc.—Orange, Tex.—An election will be held July 20, for the purpose of voting $325,000 in bonds, to be used for the construction of municipal wharves, docks and street improvements. Noted June 10.

Ditches—Port Lavaca, Tex.—It is reported that bids will be received until June 22 by E. R. Edick, Secy., Seadrift Drainage Dist. No. 3, for constructing about 45 miles of ditches. The work requires about 326,000 cu.yd. of earth excavation.

Improvements to Fire Department—Temple, Tex.—The city has voted to issue $40,000 in bonds for improvements to the fire department. Noted May 27.

Pipe Line—Muskogee, Okla.—Press reports state that the Muskogee Oil Refining Co. has appropriated $100,000 for new improvements. A 40-mile pipe line is contemplated.

Fire Station—Ogden, Utah—Bids will be received by the City Commission until 10 a.m., June 30, for the construction of a fire station at Ninth St. and Washington Ave.

Drainage—Tempe, Ariz.—It is reported that $75,000 in bonds have been voted for the drainage of about 9000 acres of land in Drainage District No. 1.

Elevators—Seattle, Wash.—The lowest bid submitted for furnishing, delivering and installing electric passenger elevators of the "drum" and traction types in the King County Courthouse, was that of the Otis Elevator Co., Fourth Ave. and Seneca St., Seattle. Noted May 20.

Bulkhead, Etc.—Seattle, Wash.—Press reports state that all bids have been rejected by the Board of Public Works for constructing a bulkhead and improving **Alkah** Ave. L. B. Young is Chn. of Bd.

✚Improvement to Dam—Oakland, Calif.—It is reported that the contract for improvements to the 12th St. dam from Fallon St. to the Lake Shore Blvd. has been awarded by the City Council to BLAKE BROS., at $27,756.

✚Harbor Improvements—San Francisco, Calif.—The South San Francisco Land & Improvement Co. has awarded a contract for harbor work at South San Francisco to the SAN FRANCISCO BRIDGE CO., at $120,000.

✚Pipe—Juneau, Alaska—The contract for furnishing about two miles of pipe for mining purposes for the Gastineau Mining Co. has been awarded to the WILLAMETTE IRON & STEEL WORKS, Portland, Ore. The cost is about $50,000.

Dock Improvements—Quebec City, Que.—Plans are being prepared by the Department of Public Works for improving the docks at a cost of $500,000. Work will soon be started.

Dam—Dundas, Ont.—Bids will be received by C. Karsh, Dundas, until June 23, for the construction of a concrete dam, 18x80 ft., for the Dundas Public Utilities Co., near Greenville. McPhie, Kelly & Darling, Bank of Hamilton Bldg., Hamilton, Ont., prepared the plans.

Docks—London, Ont.—The London & Port Stanley Ry. Board plans to make extensions to cost about $70,000. Philip Pocock, London Shoe Co., London, is Chn. of Bd.

Breakwater—London, Ont.—The City Engineer is preparing plans for a concrete breakwater to cost about $200,000.

Grandstand—Woodstock, Ont.—The Woodstock Agricultural Society will construct a grandstand on the fair grounds. Plans have been prepared.

Sprinkler System—Medicine Hat, Alta.—Plans are being prepared for the installation of a sprinkler system in the Lake of the Woods Milling Co. U. W. McNeeley is Mgr.

Elimination of Grade Crossing—Nanaimo, B. C.—It is reported that the City Council has approved plans for constructing an underground pass at Comox Rd. along the E. & U. Ry. The estimated cost is $20,704.

Sprinkler System—Prince Rupert, B. C.—According to reports bids will soon be called by the Grand Trunk Pacific Ry. Co. for installing an automatic sprinkler system in the carshops, dock buildings, administration building and 470 warehouses. The estimated cost is $50,000.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works;" "Federal Government Work" and "Miscellaneous"

Ft. Kent, Maine—Bids will be received until 6 p.m., June 29, for the construction of a dormitory for the Madawaska Training School. Astle & Page, Caribon, Maine, is Arch.

Boston, Mass.—Richard C. Machawin, Pres. of the Massachusetts Institute of Technology, has announced that the institution will expend $250,000 for the construction of two dormitories, and $125,000 for a building for the Mining Department.

Cambridge, Mass.—A six-story, brick apartment block will be constructed at Lancaster St. and Massachusetts Ave., for the E. A. B. Apartment Trust. The estimated cost is $500,000. John A. Hasty, 46 Cornhill, is Arch.

Lawrence, Mass.—The Tarbox School will be remodeled at an estimated cost of $40,000. The work will be in charge of the Public Property Department.

✚Worcester, Mass.—The EASTERN BRIDGE & STRUCTURAL CO., 88 Crescent St., has been awarded the structural steel contract for the North High School addition on Salisbury St.

Worcester, Mass.—A brick addition will be made to the Belmont Hospital to cost about $50,000. Delano & Fuller Co. is Arch. George C. Halcott Room 35, City Hall, is Supt. of Pub. Bldgs.

Allington, Conn.—(New Haven post office)—Bids will be received until June 26 for the construction of a two-story, 160x200-ft. administration building with a 40x100-ft. wing, a laundry building, a power-house and a nurses' home, all of brick and wood, for the New Haven Hospital Society. Scopes & Fenstman, 64 Main St., Saranac Lake, N. Y., is Arch.

✚Albany, N. Y.—FEENEY & SHERIDAN BUILDING CO., 164 Montgomery St., has been awarded the general contract for the re-construction of the Y. W. C. A. building at 3-7 Lodge St. The estimated cost is $50,000. Fuller & Robinson Co., 95 State St., is Arch.

Binghamton, N. Y.—Bids will be received about July 1 by the Board of Education for the construction of a school on Helen St. Sanford O. Lacey, 415 Phelps Bldg., is Arch. Estimated cost, $100,000. Noted May 27.

Catskill, N. Y.—Plans are being prepared by M. W. Del Gaudio, Arch., 1910, Webster Ave., New York, for the construction of a four-story convent and school for the Franciscan Fathers, 151 Thompson St., New York. Estimated cost, $50,000.

✚Cortland, N. Y.—The general contract for the construction of a bank and office building at Main and Railroad St., for the National Bank of Cortland, has been awarded to DAWSON BROS., Union Bldg., Syracuse. Estimated cost, $40,000. Mowbray & Uffinger, 56 Liberty St., New York, is Arch.

Dannemora, N. Y.—An appropriation of $75,000 has been granted for the construction of a two-story brick hospital at the State Prison. Lewis E. Pilcher, Capitol, Albany, is State Arch.

✚**Hudson, N. Y.**—The contract for the construction of a two-story hospital for the New York State Training School for Girls has been awarded to SIMON RUSSEK, INC., 261 Broadway, New York. Estimated cost, $55,000. Noted Nov. 12 and 26.

✚**Hudson, N. Y.**—The Board of Education has awarded the contract for the completion of the high school at Fourth and State St., to the BERRIGAN CONTRACTING CO., 509 East Main St., East Little Falls. The estimated cost is $90,000.

✚**Ithaca, N. Y.**—The MATTHEWS CONSTRUCTION CO., Alexander St., Princeton, N. J., has been awarded the contract for the construction of two dormitories, B and C, at Cornell Heights, for Cornell University. Day & Klauder, 925 Chestnut St., Philadelphia, Penn., is Arch. Estimated cost, $200,000. Noted Apr. 29.

Jamestown, N. Y.—Bids will be received about Aug. 15 for the construction of the 10- or 12-story Exposition Bldg., for the Jamestown Furniture Bldg. Co., Inc. Estimated cost, $185,000. Freeburg & Fidler, Chadakorn Bldg., is Arch.

Long Beach, N. Y.—Kirby & Petit, Arch., 103 Park Ave., New York, is preparing plans for the construction of a seven-story addition to the Hotel Trouville. The estimated cost is $100,000.

New York, N. Y.—(Borough of Bronx)—Plans have been prepared by Charles B. Meyers, 1 Union Sq., for the construction of two five-story apartment houses at Clinton Ave. and 180th St., for Adelstine & Avrutine, 71 Nassau St., New York. Estimated cost, $150,000.

✚**New York, N. Y.**—(Borough of Bronx)—The contract for the construction of a four-story hospital at Bainbridge Ave. and Gun Hill Rd., for the Montifiore Home for Chronic Invalids, has been awarded to the HEDDEN CONSTRUCTION CO., 1 Madison Ave., New York. Arnold W. Brunner, 101 Park Ave., and Buchanan & Fox, 30 East 42d St. are Assoc. Archs. Estimated cost, $200,000. Noted Nov. 26.

✚**New York, N. Y.**—(Borough of Bronx)—(Official)—KELLY & KELLY, at $57,900, 12th St., Long Island City, has been awarded the contract for the construction of a concrete dormitory for females at the Riverside Hospital, North Brother Island. Noted June 10.

New York, N. Y.—(Borough of Brooklyn)—Bids will soon be received for the construction of a four-story hospital at Rockaway Parkway and Ave. A for the Brownsville and East New York Hospital. The estimated cost is $100,000. Noted June 3.

New York, N. Y.—(Borough of Brooklyn)—The contract for the construction of a reinforced-concrete and brick theater for the Bay Ridge Theater Corporation, 46 Madison St., will soon be awarded. Robert T. Rasmussen, 999 Bergen St., is Arch. The estimated cost is $200,000. Noted May 13.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared by Tracy & Swartout, Arch., 244 Fifth Ave., for the construction of a one-story market building at 95th St. and Broadway for Vincent Astor. The estimated cost is $1,000,000.

New York, N. Y.—(Borough of Manhattan)—The Central Baptist Congregation will construct a church at Amsterdam Ave. and 92nd St. The estimated cost is $425,000. F. M. Goodchild is Pastor.

New York, N. Y.—(Borough of Manhattan)—Herman Lee Meader, Arch., 2 West 33rd. St., has been retained to prepare plans for the construction of a 12-story store and loft building to be erected at 35-37 West 37th St. for Leslie R. Palmer, 68 William St.

New York, N. Y.—(Borough of Manhattan)—Revised plans are being prepared by Edward L. Larken, Arch., 259 West 34th St., for the construction of a 21-story store, loft and office building to the known as the Printing Crafts Bldg., on Eighth Ave. between 33rd and 34th St. Estimated cost, $2,500,000. Noted Feb. 4.

New York, N. Y.—(Borough of Manhattan)—Jardine, Hill & Murdock, Arch., 3 West 29th St., will complete plans about June 15 for the construction of a 20-story store and office building at 309-313 Madison Ave., and 28 East 42d St. Estimated cost, $350,000. Noted Feb. 11.

✚**New York, N. Y.**—(Borough of Manhattan)—The contract for the construction of an 11-story building for the Grand Rapids Furniture Co., 34 West 32d St., has been awarded to the BING & BING CONSTRUCTION CO., INC., 119 West 40th St. Estimated cost, $200,000.

✚**New York, N. Y.**—(Borough of Manhattan)—CHARLES LOESCH CONTRACTING CO., 415 West 50th St., New York, has been awarded the contract for the construction of a three-story office building at 92nd St. near Third Ave. for George Ehret. Estimated cost, $60,000.

✚**New York, N. Y.**—(Borough of Manhattan)—JACOB A. ZIMMERMAN, 18 East 41st St., has been awarded the contract for the construction of a six-story store and loft building at Fifth Ave. and 50th St. for A. De Pinna & Co.

✚**New York, N. Y.**—(Borough of Manhattan)—The contract for the construction of a two-story, 67x100-ft. theater at 135th St. near Lenox Ave. has been awarded to the R. H. HOWES CONSTRUCTION CO., 105 West 40th St. Jardine, Hill & Murdock, 3 West 29th St., is Arch. Estimated cost, $45,000. Noted Apr. 15.

New York, N. Y.—(Borough of Manhattan)—Plans are being prepared by Harde & Short, 17 West 44th St., for the construction of a 10-story technical school at 61 East 77th St., for the Finch School. Estimated cost, $100,000. Noted Mar. 18.

✚**New York, N. Y.**—(Borough of Manhattan)—RITCHIE, BROWN & DONALD, Maspeth, L. I., has been awarded the contract for the architectural and iron work for the new Arnold, Constable Bldg. at Fifth Ave. and 40th St. Noted Dec. 10.

✚**New York, N. Y.**—(Borough of Manhattan)—The Strathcona Construction Co., Inc., 3785 Broadway, has awarded the steel contract for the 12-story loft, store and office building at Fifth Ave. and 31st St. to the HEDDEN IRON CONSTRUCTION CO., 30 Church St. The contract for foundation work and piling has been awarded to UNDERPINNING & FOUNDATION CO., 290 Broadway. George & Edward Blum, 505 Fifth Ave., is Arch. Estimated cost, $350,000. Noted Apr. 22.

New York, N. Y.—(Borough of Queens)—Franklin Hawley Janes, Arch., 154 Nassau St., New York, is preparing plans for the construction of a five-story loft building at Webster Ave., Long Island City, for Annie Schenck Anable, New York. The estimated cost is $200,000.

New Rochelle, N. Y.—The Board of Education contemplates the construction of an addition to the high school. H. De Witt Dobbs is Pres. and Grace E. Pine is Clk. of High School Bldg. Com. Noted Apr. 29.

Rochester, N. Y.—Plans have been prepared and bids will soon be received by William Brackett, Arch., Powers Blk., for the construction of a three-story, 40x67-ft. building at North Fitzhugh near Church St., for the Labor Temple Association. Estimated cost, $90,000. A. A. Gren, 100 Arcade Bldg., is Pres.

Scarsdale, N. Y.—Plans are being prepared by Guy Lowell, 225 Fifth Ave., New York, for the construction of a two-story high school at New York Post Rd., north of Sherbrooks Rd. Estimated cost, $64,000.

Schenectady, N. Y.—Bids will be received until June 25 by C. A. Sussdorf, Arch., 100 State St., Albany, for the construction of an addition and alterations to the Mohawk Baths, 220-6 South Center St. Estimated cost, $150,000. John A. Meehan is Proprietor.

Syracuse, N. Y.—Bids have been received for the general contract for the construction of a two-story gymnasium for the Vocational High School at Seneca and Tully St., as follows: O'Brien Construction Co., $48,631; John R. Burchell, $48,906; Dawson Bros., $56,000. Edwin Nottingham is Chn. and Charles A. Yates, is Secy. of Vocational High Schcol Comn. Noted May 27.

✚**Yonkers, N. Y.**—The contract for the construction of a two-story school at North Broadway and Lamartine Ave. has been awarded to GEORGE T. KELLEY, 20 John St. H. Lansing Quick, 18 South Broadway, is Arch. Estimated cost, $40,000. Noted Oct. 29.

Englewood, N. J.—Bids will be received about Aug. 1 for the construction of a three-story school at Engle St. near Palisade Ave. Estimated cost, $150,000. Ernest Sibley, Palisade Park and J. J. Ferry, Dean St., Englewood, are Assoc. Archs. Noted June 10.

✚**Hackensack, N. J.**—The general contract for the construction of an addition to the Bergen County Jail has been awarded to JOHN T. BRADY & CO., 103 Park Ave., New York. The estimated cost is $50,000. Charles N. Cumberland, Maywood, is Chn. of Bldg. Com. Noted May 13.

Hoboken, N. J.—The Board of Education plans to issue $60,000 in bonds, proceeds to be used for improving Public School No. 8. Richard A. Maxwell is Business Mgr.

Hoboken, N. J.—(Official)—Bids will be received until 7:30 p.m., June 28, by the Board of Education for the construction of additions and repairs to Public School No. 8. The estimated cost is $60,000.

✚**Morristown, N. J.**—NICHOLAS MARINARO has been awarded the contract for the construction of additions and alterations to the Palace Theater. The estimated cost is $60,000. A. Esposito is owner.

Newark, N. J.—The Board of Education plans to construct a high school on the West Side, four public schools and additions to five schools. The cost of the entire work will be about $967,000.

Newark, N. J.—The Public Service Corporation of Newark plans to construct a mercantile building at Central Ave. and Broad St.

Newark, N. J.—The Board of Education contemplates the construction of a school on 18th Ave. Estimated cost, $125,000. E. F. Guilbert, City Hall, is Arch.

✚**Paterson, N. J.**—The contract for the construction of School No. 21 has been awarded to J. H. STEEL & CO. The estimated cost is $155,124. William T. Fanning, Colt Bldg., is Arch. Noted Apr. 1.

Summit, N. J.—The Board of Education contemplates the construction of a two-story high school on Morris Ave. The estimated cost is $100,000. Helen L. Collins, Springfield Ave. School, is Secy. Noted Dec. 17.

West New York, N. J.—Bids will be received until June 21 by Joseph Stiltz, Pres., Bd. of Education, at School 1, 18th and Madison St., for the construction of a three-story school at Broadway and 18th St. Gregory B. Webb and Karl T. J. Seifert, 104 West 42d St., New York City, N. Y., are Assoc. Archs. Estimated cost, $185,000. Noted Apr. 15.

✚**Woodbury, N. J.**—The contract for the construction of an addition and alterations to the bank building for the Woodbury Trust Co. has been awarded to JOSEPH B. BEST, Woodbury. Estimated cost, $50,000. Noted Mar. 18.

✚**Coraopolis, Penn.**—The contract for the construction of a one-story church for the First U. P. Church has been awarded to HOBAUGH & WIMER, Butler. Estimated cost, $60,000. Noted Mar. 11.

Chestnut Hill, Penn.—(Philadelphia post office)—Plans will soon be prepared for the construction of the Carson College for Orphan Girls to be erected on the Carson Estate at Erdenheim. An endowment of $4,000,000 has been left for this purpose. John Gribbell is Chn. of Bd. of Trustees.

✚**Erie, Penn.**—The contract for the construction of a three-story club house for the Fraternal Order of Moose has been awarded to FRANK LAIRD. The estimated cost is $52,000. J. Wright is Chn. of Bldg. Com. Noted May 13.

Loretto, Penn.—Plans are being prepared by D. G. Puderbough, Altoona, for the construction of a three-story, brick fraternity building for St. Francis College. The estimated cost is $50,000.

✚**Mahoningtown, Penn.**—(Official)—The contract for the construction of a school has been awarded to WILLIAM CHAMBERS & SON, New Castle, at $65,242. Noted May 27.

Natrona, Penn.—Plans are being prepared by William G. Eckles, Arch., Lawrence Saving & Trust Bldg., New Castle, for the construction of a two-story school. Estimated cost, $50,000. P. M. Kennedy, is Secy., Bd. of Education. Noted Apr. 22.

Philadelphia, Penn.—The following bids were received by the Property Committee of the Board of Education for the construction of new wings to the John Hay School: McCloskey & Bahes, $81,825; Alexander Bottoms Sons' Co., $85,918; Henry E. Baton, $88,357; Mitchell Bros., $83,800; William R. Dougherty, $82,728; Cramp & Co., $87,494; H. Wehmever, $82,843; Thomas Reilly, $86,446; Ketcham & McQuade, $86,428; Frank G. Stewart, $89,740; W. W. Anstine & Co., $89,040.

✚**Philadelphia, Penn.**—The contract for the construction of a five-story office building for the Philadelphia Life Insurance Co. has been awarded to DOYLE & CO., 1519 Sansom St., Philadelphia. Aden B. Lacey and Alexander Adams are Assoc. Archs. Noted June 10.

Warren, Penn.—Plans are being prepared and bids will soon be asked for the construction of a two-story, 65x110-ft., brick Emergency Hospital. The estimated cost is $40,000. F. H. Grunmger is Arch.

Clifton Forge, Va.—Longest & Tessier, Greensboro, N. C., submitted the lowest bid for the construction of a three-story hospital for the Chesapeake & Ohio Ry., Room 1304, First National Bank Bldg., Richmond. The estimated cost is $50,000. Noted May 13.

Franklin, Va.—Bids are being received by R. M. Candler, Pastor of M. E. Church, Franklin, for the construction of a one-story addition. The estimated cost is $60,000. Mitchell & Wilcox, Paul Gale Greenwood Bldg., Norfolk, Va., is Arch.

✚**Norfolk, Va.**—The contract for the construction of a 70x77-ft., brick church at Wide and Henry St., for the First Calvary Baptist Congregation, has been awarded to J. W. WELLS, at $43,055. Mitchell & Wilcox is Arch.

Virginia Beach, Va.—Marion & Davis, Arch., 303 Fifth Ave., New York, is preparing plans for the construction of a 300x50-ft. hotel for the Manhattan Construction Co., Marbridge Bldg., New York.

Gastonia, N. C.—An election will be held in this city June 22 to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for the construction of schools.

Wilson, N. C.—Benton & Moore, Arch., is preparing plans for the construction of a seven-story, 80x100-ft., reinforced-concrete and brick building for the Grand United O. of O. F. The architects will let the contract about Dec. 1. Estimated cost, $100,000.

Savannah, Ga.—Bids will be received until July 6 for the construction of a library for the city of Savannah. H. W. Witcover, Savannah, is Arch. Noted Dec. 31.

Savannnh, Ga.—Bids will be received until June 29 by Dennison & Hirons, Arch., 475 Fifth Ave., New York, for alterations to the National Bank of Savannah Bldg. The estimated cost is $50,000.

Jackson, Miss.—At a recent election the citizens voted in favor of the question of issuing $65,000 in bonds, the proceeds of which will be used for the construction of a school and to repair and enlarge old ones.

Nashville, Tenn.—The Clemons School, recently destroyed by fire, will be rebuilt. The estimated cost is $45,000. Hart & Gardner is Arch.

Nashville, Tenn.—Marr & Holman, Arch., is preparing plans for the construction of the new Elliott School. The estimated cost is $45,000.

Nashville, Tenn.—Plans are being prepared by Charles Ferguson, Arch., for the construction of the new Pearl Negro High School. The estimated cost is $45,000.

Nashville, Tenn.—The construction of a college of medicine for Vanderbilt University, estimated to cost $300,000, has been postponed. It will probably be built in about a year. Samuel Hannaford & Sons, 601 Hubert Bldg., Cincinnati, Ohio, is Arch. Noted Apr. 8 and 15.

Ft. Thomas, Ky.—Plans are being prepared by Zettle & Rapp, Arch., 607 Johnston Bldg., Cincinnati, Ohio, for the construction of a motion picture studio for the Highland Film Co., Gayety Theater Bldg., Cincinnati. Estimated cost, $300,000.

Lawrenceburg, Ky.—Bids will be received until June 22 by Judge J. S. O'Dell, Chn. of Fiscal Court, Lawrenceburg, for the construction of a two-story court house. Estimated cost, $60,000. Joseph & Joseph, 809 Great Southern Bldg., Louisville, is Arch. Noted May 13.

✚**Paris, Ky.**—The contract for the construction of a five-story building for the First National Bank has been awarded to the OWEN CONSTRUCTION CO., Realty Bldg., Louisville. Estimated cost, $40,000.

Richmond, Ky.—Plans are being prepared by Weber, Werner & Adkins, Arch., 1206 Mercantile Library Bldg., Cincinnati, Ohio, for the construction of a four-story lodge, store and office building for the B. P. O. E. Elmer Deatherage is Chn. of Bldg. Com.

✚**Alliance, Ohio**—The contract for the construction of the State Hospital has been awarded to JAMES H. WELLS, Scranton Rd. and Valentine St., Cleveland. Williard Hirsh, 1302 Swetland Bldg., Cleveland, is Arch. Noted Feb. 25.

Bratenahl, Ohio—(Cleveland post office)—Preliminary plans have been prepared by Abram Garfield, Arch., 915 Garfield Bldg., for the construction of a village hall for the village of Bratenahl. The estimated cost is $40,000. A. S. Chisholm is Dir. of Pub. Ser.

Canton, Ohio—Bids will be received until noon, June 28, by W. C. Lane, Clk. of Bd. of Education, for the construction of a three-story, 150x87-ft. school. The estimated cost is $80,000. C. C. & A. L. Thayer, Mercantile Bldg., New Castle, Penn., is Arch. Noted Apr. 15.

✚**Chillicothe, Ohio**—(Official)—The contract for the construction of a school with a gymnasium has been awarded to LITTER & JONES, Chillicothe, at $54,000. Other bidders were: W. H. Isgrigg, $54,415; Structural Concrete Co., $68,800; John W. Boren & Son, $54,752; W. B. Winters, $54,985. Ritter & Bates, Portsmouth, is Arch. Noted May 27.

Cincinnati, Ohio—Plans are being prepared by Samuel Hannaford & Sons, Arch., 601 Hubert Bldg., for the construction of a three- and four-story medical school for Cincinnati Medical College. The estimated cost is $200,000. C. R. Holmes is Chn. of Bd. of Trustees.

Cincinnati, Ohio—Plans are being prepared by Elzner & Anderson, Arch., 135 Ingalls Bldg., for the construction of a two-story building for the Cincinnati Children's Home. The estimated cost is $100,000. Walter G. Franz, 1703 Union Trust Bldg., is Consult. Engr.

Cleveland, Ohio—Plans have been prepared by George H. Hammond, Arch., 4220 Prospect Ave., for the construction of a ten-story addition to the Gilley Hotel, East Ninth St. Estimated cost, $150,000. R. E. Gill, is owner.

Cleveland, Ohio—Plans are being prepared by William S. Lougee, Arch., 500 Marshall Bldg., for the construction of a market house at West 25th St. and Denison Ave. The estimated cost is $75,000.

Dayton, Ohio—The Order of Eagles plans the construction of a new building. The estimated cost is $80,000.

Eaton, Ohio—An election will soon be held in the Camden School District to vote on the question of issuing $60,000 in bonds, the proceeds of which will be used for the construceion of a school. S. L. Yechum is Supt. of Camden Schools.

Findlay, Ohio—Plans have been prepared by McLaughlin & Hulsken, Arch., 610 Savings Bldg., Lima, for the construction of four infirmary buildings for Hancock County. The estimated cost is $100,000. John Finsel is Pres. of County Comrs. Noted May 13.

Fremont, Ohio—Plans are being prepared by Langdon & Hohly, Arch., 1442 Nicholas Bldg., Toledo, for the construction of a building for the Masonic Lodge. Estimated cost, $60,000. John Sherman is Chn. Noted Mar. 25.

✚**Milton, Ohio**—The contract for the construction of a two-story grade and high school has been awarded to J. I. BARNES, Logansport, Ind. The estimated cost is $45,000. A. C. De Curtins, 503 Opera House Bldg., is Arch.

Old Fort, Ohio—At a recent election the citizens voted in favor of the question of issuing $45,000 in bonds, the proceeds to be used for the construction of a school.

Painesville, Ohio—Preliminary plans have been completed for the construction of a one-story gymnasium for Lake Erie College. The estimated cost is $70,000. Abram Garfield, 915 Garfield Bldg., Cleveland, is Arch. Noted Oct. 22.

Radner, Ohio—Bids will be received until noon, June 26, by H. K. Jones, Clk. of Bd. of Education, for the construction of a high school. William R. Powell, 1106 Hippodrome Bldg., Cleveland, is Arch.

Ravenna, Ohio—The First Methodist Church is planning the construction of a church. Estimated cost, $45,000. Charles H. Hanger is Pastor.

✚**Toledo, Ohio**—The Board of Education has awarded the contract for the construction of the two-story Wallbridge School to the H. J. SPIEKER CO., 409 Michigan St., Toledo. The estimated cost is $225,000. George L. McKesson is Dir. of Schools. Noted May 13.

Wilmington, Ohio—Bids will soon be received by Harry Gastl, Audr., of Clinton County, Court House, Wilmington, for the construction of a three-story court house and jail. Estimated cost, $300,000. Weber, Werner & Adkins, 1206 Mercantile Library Bldg., Cincinnati, is Arch. Noted May 13.

Columbus, Ind.—Preliminary plans are being prepared by D. A. Bohlen & Son, Arch., 1002 Majestic Bldg., Indianapolis, for the construction of a three-story hospital. The estimated cost is $75,000. William Irwin, care of Irwin's Bank, is Chn. of Hospital Trustees.

Ft. Wayne, Ind.—C. B. Weatherhogg, Arch., 4 Hamilton Bank Bldg., has prepared plans for the construction of a five-story building for the Hope Hospital Association. A. S. Coverdale is Pres. and A. G. Burry is Chn. of Bldg. Com. The estimated cost is $100,000.

✚**Ft. Wayne, Ind.**—The contract for the construction of a two-story, 70x100-ft. building for the Central Catholic High School, has been awarded to the INDIANA ENGINEERING & CONSTRUCTION CO., 702 Shoaff Bldg., Ft. Wayne. Estimated cost, $40,000. J. R. Quinlan is Chn.

Indianapolis, Ind.—Bids will be received by the Business Director of the Board of School Commissioners, 66 West New York St., Indianapolis, until noon, July 20, for the construction of a central library building at St. Clair St. between Meridian and Pennsylvania St. Paul P. Cret is Arch., and Zantzenger, Borie & Medary, 139 South 15th St., Philadelphia, is Assoc. Arch. Noted May 20.

Portland, Ind.—Plans are being prepared by McLaughlin & Hulsken, Arch., 610 Savings Bldg., Lima, Ohio, for the construction of a three-story court house for Jay County. The estimated cost is $275,000. Noted Apr. 1.

Walton, Ind.—Bids will be received until June 26 by D. A. G. Coblentz, Trustee Tipton Township, Onward, for the construction of an addition to the high school. The estimated cost is $40,000. Layton Allen, 401 Lombard Bldg., Indianapolis, is Arch.

Brown City, Mich.—Bids will be received until June 20 by J. E. Campbell, Pres., Bd. of Education, for the construction of a two-story, brick high school. The estimated cost is $75,000. J. E. Mills & Son, 1305 Kresge Bldg., Detroit, is Arch.

Grand Beach, Mich.—Plans are being prepared by Graham, Burnham & Co., Arch., 80 East Jackson Blvd., Chicago, Ill., for the construction of a 12-story hotel. The estimated cost is $1,000,000.

Jackson, Mich.—E. E. Bailey Co., Arch., Chambers Bldg., Oil City, Penn., is preparing plans for the construction of an eight-story building for the Central State Bank.

Saginaw, Mich.—Bids will soon be received by C. Howard Crane, Arch., 2325 Dime Bank Bldg., Detroit, for the construction of a 3½-story theater, store and office building for the Saginaw Hippodrome Co. Noted Feb. 4.

Sandusky, Mich.—Bids will be received until June 21 by the County Clerk, for the construction of a three-story court house for Sanilac County. Joseph E. Mills & Son, 1305 Kresge Bldg., Detroit, is Arch. Noted Mar. 11.

Chicago, Ill.—Plans are being prepared by Wheelock & Shank, Arch., 64 West Randolph St., for the construction of a 16-story, 175x300-ft. hotel. J. M. Gartside, 105 South La Salle St., is representative of the syndicate.

Chicago, Ill.—Bids are being received by Ralph C. Harris, Arch., 30 North La Salle St., for the construction of a three-story hotel for Kusel & Harris, 30 North La Salle St. The estimated cost is $75,000.

Chicago, Ill.—Plans are being prepared by Charles S. Frost, Arch., 105 South La Salle St., for the constructon of a four-story office building at East Ravenswood Park and Lawrence Ave. for the Chicago & Northwestern Ry. The estimated cost is $250,000. W. H. Finley, Chicago, is Ch. Engr. of Ry.

Chicago, Ill.—Carl A. Anderson contemplates the construction of a 30-apartment court building at 5413-21 Ellis Ave. The estimated cost is $100,000.

Chicago, Ill.—Charlotte Reynolds will construct several apartment houses at Broadway and Addison St. The estimated cost is between $500,000 and $600,000.

✚East St. Louis, Ill.—The contract for the construction of a two-story high school has been awarded to the KELLERMAN CONTRACTING CO., Roe Bldg., St. Louis, Mo. F. W. Kraft is Pres. Bd. of Education. Riester & Rubach, 414 Missouri Ave., East St. Louis, is Arch. Noted Mar. 25.

Kewanee, Ill.—Plans are being prepared by Hewitt & Emerson, Arch., 321 West Main St., Peoria, for the construction of a four-story hotel for the Kewanee Hotel Co. Estimated cost, $80,000.

Oak Park, Ill.—Plans are being prepared by Ire C. Saxe, Arch., 79 West Monroe St., Chicago, for the construction of six apartment houses at Humphrey and Austin Ave., between Lake and Ontario St., for John C. Snowhook. The estimated cost is about $125,000 each.

✚Pekin, Ill.—(Official)—EDWARD J. LAMPITT, Pekin, at $68,000 has been awarded the contract for the construction of a two story high school. Hewitt & Emerson, 321 West Main St., Peoria, is Arch. Noted May 6.

Peoria, Ill.—Plans are being prepared for the construction of a four-story bank and office building for the Consolidated Bank. The estimated cost is $100,000. William C. White is Pres.

Appleton, Wis.—Plans are being prepared by Cooledge & Hodgson, Arch., Chicago, for the construction of building for the Citizens National Bank. The estimated cost is $75,000.

✚Green Bay, Wis.—The contract for the construction of a six-story, 66x106-ft. store and office building for Bellen & Buchanan, has been awarded to the FABRY CONSTRUCTION CO., Green Bay. P. T. Benton is Arch.

✚Green Bay, Wis.—The general contract for the construction of an addition to the McCartney National Bank has been awarded to H. J. SELMER. Noted Apr. 29.

Sheboygan, Wis.—The city contemplates the construction of a high school. The estimated cost is $150,000.

Milwaukee, Wis.—Plans are being prepared by Tullgren & Sons, Arch., Manhattan Bldg., Milwaukee, for the construction of a two-story theater and commercial building at Downer Ave. and Belleview St., for the Read & Neacy Investment Co., Milwaukee. Estimated cost $65,000.

Alta, Iowa—An election will be held in this city June 29 to vote on the question of issuing $55,000 in bonds, the proceeds of which will be used for the construction of a school.

✚Ames, Iowa—J. E. TUSANT & CO., Des Moines, at $41,519, has been awarded the contract for the construction of the city hall and fire station.

Centerville, Iowa—Preliminary plans are being prepared for the construction of a four-story, 42x125-ft., brick and stone hospital for the Catherine Sisters. The estimated cost is $60,000.

Cherokee, Iowa—The Board of Education will award the contract for the construction of a three-story, 90x149-ft., brick high school, the latter part of June. The estimated cost is $80,000. Proudfoot, Bird & Rawson, 810 Hubbell Bldg., Des Moines, is Arch.

Dubuque, Iowa—Plans have been prepared by Shattuck & Hussey, Arch., Chicago, Ill., for the construction of a building for the Y. M. C. A. Estimated cost, $100,000. E. T. Baer is interested.

Jefferson, Iowa—At an election held May 20 the citizens voted in favor of the question of issuing $150,000 in bonds, the proceeds of which will be used for the construction of a court house.

✚Missouri Valley, Iowa—(Official)—The contract for the construction of a high school has been awarded to C. C. NORGARD & SON, Council Bluffs, at $58,176. Noted Apr. 8.

✚Sioux City, Iowa—The cotract for the construction of a four-story, brick store and office building at Sixth and Pierce St., for W. S. Gilman, 611 Pierce St., has been awarded to the EGLEY-PAYETTE CONSTRUCTION CO. The estimated cost is $100,000. Noted Feb. 25.

Sioux City, Iowa—Bids will soon be received for the construction of a Church at 19th and Nebraska St., for the First Methodist Episcopal Congregation. Estimated cost, $100,000. Meuttler & Arnold, Sioux City, is Arch.

Albert Lea, Minn.—Bids will be received until 4 p.m., June 24, by H. G. Harm for the construction of a six-story office building. Hoffman & Masse, Rochester, Minn., is Arch. Noted Mar. 4.

✚Alexandria, Minn.—The NATIONAL CONTRACTING CO., Alexandria, has been awarded the general contract for the construction of a two-story, 65x105-ft., brick high school. A. A. Urness is Clk. of School Bd.

✚Duluth, Minn.—The contract for the construction of a building for Garvin, Lenning & Brown Wholesale Grocery Co., has been awarded to W. J. ZITTERELL, Webster City, Iowa. The estimated cost is $200,000.

Fairmont, Minn.—Bids will be received until 1 p.m., June 22, by Clayton A. Porter, Secy., Bd., of Education, for the construction of a two-story, 175x115-ft., brick and stone high school. The estimated cost is $135,000. Grant C. Miller and Fullenwider & Dowling, 5 North Michigan Ave., Chicago, Ill., are Archs.

GENESEE RIVER FLOOD PROTECTION, ROCHESTER, N. Y.

✚Bids were received May 19 by the Department of Engineering, Rochester, N. Y., for deepening the Genesee River channel from the Central Ave. Dam to a point 200 ft. south of the Erie Canal Aqueduct from: (A) LATHROP, SHEA & HENWOOD, Ellicott Sq. Bldg., Buffalo (awarded contract); (B) R. T. Ford Co.; (C) M. H. Ripton; (D) T. A. Gillespie Co.; (E) Thomas Holahan; (F) Haller & Shephard; (G) Houston Barnard; (H) Cleveland & Sons Co.; (I) Myers & McWilliams; (J) Buffalo Dredging Co.; (K) Whitmore, Rauber & Vicinus; (L) Fitch & Douglas. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L
10,000 cu.yd. earth excavation	$2.20	$1.20	$1.00	$1.72	$2.00	$1.75	$2.40	$0.75	$2.40	$2.00	$2.00	$1.75
20,000 cu.yd. rock excavation under bridges and Erie Canal Aqueduct and within 20 ft. of piers	2.20	2.75	2.50	2.30	2.50	2.75	2.40	2.72	2.40	2.65	2.65	3.00
90,000 cu.yd. rock excavation not included in above	2.20	1.90	2.25	2.18	2.25	2.20	2.40	2.40	2.40	2.50	2.60	2.60
40,000 sq.ft. channeling	0.40	0.50	0.60	0.43	0.60	0.60	0.50	0.60	0.60	0.50	0.40	0.40
2000 cu.yd. concrete facing of channel and elsewhere required	10.00	8.00	10.00	9.20	10.00	7.50	10.00	7.45	11.00	12.00	10.00	10.00
2000 lb. steel reinforcement	0.10	0.10	0.07	0.06	0.10	0.05	0.05	0.05	0.10	0.05	0.05	0.05
Coffer-damming, bailing and draining (lump sum)	15,000	45,000	30,000	47,000	28,300	40,000	30,000	45,000	38,000	35,000	35,000	45,000
Extended totals	$315,200	$319,200	$336,640	$342,120	$345,000	$349,600	$358,100	$361,900	$372,200	$377,100	$378,100	$392,600

BREAKWATER IMPROVEMENTS, HARBOR BEACH, MICH.

Bids were received May 20 by Lieut.-Col. M. M. Patrick, Corps Engineers, U. S. A., Detroit, Mich., for improvements to the Breakwater at Harbor Beach, Mich., by (Schedule 1) constructing and placing two timber cribs, and replacing with concrete superstructure, and (Schedule 2) rip-rapping the breakwater. The bidders were: (A) Burk, Smith & Nelson, Muskegon; (B) John Ginzel, Detroit; (C) Greiling Bros. Co.; (D) Benjamin Douglas Co., Detroit; (E) William J. Meagher, Bay City; (F) Great Lakes Dredge & Dock Co., Chicago, Ill.; (G) Candler Dock & Dredge Co., Detroit; (H) Coast & Lakes Contracting Corporation, 41 Broad St., New York, N. Y.; (I) D. L. Taylor & Co., Inc., Medina, N. Y.; (J) Edward Gillen Dock, Dredge & Construction Co., Racine, Wis. The item bids were as follows:

Schedule 1

	A	B	C	D	E	F	G
Removing wrecks of two old cribs and providing foundations for two new cribs, lump sum	$3000.00	$2000.00	$2200.00	$5700.00	$2000.00	$2000.00	$1600.00
90M. ft. b.m. timber for framing and completing two timber cribs	12.00	12.00	25.00	95.00	10.00	3900.00*	90.00
1630 lin.ft. removing old superstructure	2.00	3.00	4.00	7.75	4.00	3.00	4.50
35,000 lb. bolts, tie rods and washers	0.04	0.06	0.04	0.04	0.05	0.04	0.06
9000 cu.yd. concrete sections	4.25	4.50	4.90	3.00	5.25	5.25	5.52
12,000 bbl. cement	1.42	1.27	1.32	1.45	1.25	1.50	1.75
7 mooring posts	25.00	20.00	40.00	75.00	15.00	50.00	21.00
7280 ft. white oak fenders, per M ft., b.m.	80.00	70.00	80.00	100.00	65.00	75.00	70.00
Extended totals	$64,787	$66,110	$73,172	$73,935	$79,998	$78,336	$90,472

* Lump-sum bid.

Schedule 2

	C	E	F	H	I	J
15,000 tons stone in core of structure	$1.70	$1.10	$1.80	$1.32	$1.85	$2.85
35,000 tons large stones on exposed slope	1.90	1.35	1.90	1.32	1.85	2.95
Extended totals	$92,000	$63,750	$93,500	$66,000	$92,500	$146,000

The Hagar Portland Cement Co. has been incorporated, with a capitalization of $20,000,000. This is the organization of Edward M. Hagar. The office will be at 208 La Salle St., Chicago. The initial output of the various plants of the company will be about 14,000,000 bbl. per year. This is the famous brickyard scheme of establishing cement plants at convenient shipping points and so allotting the territory that no plant will ship a greater distance than 200 miles.

✚**Fertile, Minn.**—The Board of Education has awarded the contract for the construction of a two-story school to J. ROSS, Fertile, at $50,000. J. A. Gregorson is Secy. Noted Mar. 25.

Hastings, Minn.—Plans are being prepared by C. H. Johnston, Arch., 715 Capital Bank Bldg., St. Paul, for rebuilding the three-story east ward of the main building, at the State of Minnesota Insane Asylum. Estimated cost, $50,000. C. L. Pillsbury, 805 Metropolitan Life Bldg., Minneapolis, is Mech. Engr.

✚**Hayfield, Minn.**—G. SCHWARTZ & CO., at $42,750, has been awarded the contract for the construction of a two-story high school for the Independent School District No. 69. George P. Hagen is Secy., Bd. of Education.

Little Falls, Minn.—Plans are being prepared by Alden & Harris, Arch., 909 Commerce Bldg., St. Paul, for the construction of a two-story brick building for St. Gabriel Hospital. The estimated cost is $50,000.

✚**Mankato, Minn.**—The contract for the construction of a theater for Sandon Bros. has been awarded to G. ANDERSON, Mankato, and L. R. WHETSON, Minneapolis. The estimated cost is $50,000.

Milaca, Minn.—Bids will soon be received for the construction of a two-story, brick high school. The estimated cost is $80,000. J. Bacon is Clk. of School Dist. Noted Apr. 29.

Redwood Falls, Minn.—Plans are being revised and bids will soon be received for the construction of a two-story brick addition to the high school. H. M. Aune is Clk. of School Dist. No. 1, and Tyree & Chapman, Auditorium Bldg., Minneapolis, is Arch.

St. Paul, Minn.—Plans are being prepared by C. A. Hausler, Arch., City Hall, for the construction of a two-story brick school, to be known as the McClellan School, at Oxford and Stinson St. Estimated cost, $42,000. Anthony Yoery is Comr. of Education.

Lawrence, Kan.—The citizens have voted in favor of the question of issuing $42,000 in bonds. The proceeds will be used for the construction of a school. Noted July 2.

Minneapolis, Kan.—Preliminary plans are being prepared by Owen & Payson, Arch., 713 Scarritt Bldg., Kansas City, Mo., for the construction of a two-story school. Estimated cost, $40,000. J. E. Johnston is Pres., Bd. of Education. Noted May 6.

St. Paul, Kan.—Plans are being prepared by Barnett Haynes & Barnett, Arch., Century Bldg., St. Louis, Mo., for the construction of a three-story Building for Loretto Academy.

Wichita, Kan.—Plans are being prepared by Carl & Boller, Arch., Gayety Theater Bldg., Kansas City, Mo., for the construction of a three-story, 110x125-ft. motion picture theater. The building will be owned by L. M. Miller, Stanley Chambers, S. B. Amidon, Schweiter Bldg., and Warren Brown, Augusta, Kan. Estimated cost, $80,000. Noted Feb. 18.

Omaha, Neb.—Plans are being prepared for the construction of a 10- or 12-story building to be known as the Joslyn Bldg., at 16th and Harney St. Henry Hiller is interested.

Omaha, Neb.—The construction of a convent school for the Sisters of the Dominican Order, Sinsinawa, Wis., is under consideration. Estimated cost, $100,000.

Sioux Falls, S. D.—Plans are being prepared by Harris & Huhl, Arch., Chicago, for the construction of a five-story, 88x150-ft., granite theater for B. M. Giroux, Chicago.

Fargo, N. D.—Bids will be received about July 5 for the construction of a home for nurses' at the St. John's Hospital. Hancock Bros., Douglass Bldg., is Arch. The estimated cost is $60,000.

✚**Grand Forks, N. D.**—The general contract for the construction of a one-story church for St. Mary's Parish has been awarded to JAMES DINNIE, Grand Forks. The estimated cost is $60,000. Noted Dec. 10.

Butte, Mont.—(Official)—An election will be held July 27 to vote on the question of issuing $100,000 in bonds. The proceeds will be used to complete and improve the county jail. T. McCarthy is Clk., Bd. of County Comrs. Noted May 27.

St. Louis, Mo.—Orean E. and R. G. Scott plan to construct a three-story building at Eighth and Chestnut St. The estimated cost is $50,000. Albert B. Groves, Arch., will be in charge of the construction.

St. Louis, Mo.—Bids will soon be received by G. Albert, Arch., Lansburg-Gunst Bldg., San Francisco, Calif., for the construction of a two-story theater for the Orpheum Theater Co., 1564 Broadway, New York. Estimated cost, $100,000.

Cleveland, Tex.—Plans are being prepared by Lane & Dowdy, Arch., Houston, for the construction of a school. The estimated cost is $40,000. Noted May 13.

SANDUSKY RIVER IMPROVEMENT, TIFFIN, OHIO

✚Bids were received Apr. 20 by the Board of Public Service, Tiffin, Ohio, for the improvement of the Sandusky River. Bids were submitted on three different types of construction, and the contract awarded on Type "B". The bidders were: (A) A. Rabbitt & Sons, Toledo; (B) Frank A. Bone, Cincinnati; (C) John F. Casey Co., Pittsburgh, Penn.; (D) Cleary-White Construction Co., Chicago, Ill.; (E) A. J. Yawger & Co., Indianapolis, Ind.; (F) E. C. Nave Bros., Portsmouth; (G) Charles Fath & Co., Cleveland; (H) Hickey Bros., St. Louis, Mo.; (I) H. J. Zevely, Morgantown, W. Va.; (J) Vang Construction Co., Cumberland, Md.; (K) Dravo Contracting Co., Pittsburgh, Penn.; (L) S. C. Kissner & Sons, Delaware; (M) Fritz-Rumer-Cook-Grant Co., Columbus; (N) J. A. Swingle Contracting Co., Zanesville; (O) Daniel Bros. Construction Co., Bolivar, Ohio; (P) LOUIS JONES, Fostoria (awarded contract); (Q) Modern Construction Co., Fremont; (R) P. T. McCourt, Akron; (S) Tanner & Byrnes, Cincinnati; (T) Duquesne Contracting Co., Pittsburgh, Penn.; (U) Benjamin Douglas Co., Detroit, Mich.; (V) Lakeshore Contracting Co., Cleveland; (W) Harer & Battlefield, Bucyrus; (X) Engineers' Estimate. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L
56,900 cu.yd. earth excavation	$0.72	$0.48	$0.50	$0.53	$0.40	$0.45	$0.52	$0.48	$0.48	$0.47½	$0.65	$0.49
1000 cu.yd. rock excavation	3.00	2.60	3.00	3.00	2.00	1.00	2.50	1.50	3.00	3.00	4.00	1.00
8125 cu.yd. concrete	6.55	6.47	6.00	6.00	5.75	6.25	6.10	5.65	6.63	5.92	7.15	5.79
3200 lin.ft. railing	1.50	1.12	1.10	1.50	1.00	0.50	1.00	0.75	0.95	0.75	1.75	0.80
Extended totals	$101,987	$86,065	$83,720	$86,707	$74,679	$78,986	$84,850	$77,118	$87,221	$79,527	$103,679	$78,485
TYPE "B"												
56,900 cu.yd. earth excavation	0.72	0.48	0.50	0.00	0.40	0.45	0.52	0.48	0.48	0.47½	0.65	0.49
1000 cu.yd. rock excavation	3.00	2.60	3.00	0.00	2.00	1.00	2.50	1.50	3.00	3.00	4.00	1.00
4100 cu.yd. concrete	12.00	7.46	7.25	0.00	8.19½	8.27	10.00	7.60	8.63	7.30	10.25	6.80
239,000 lb. ¾-in. steel	0.03	0.02 3/10	0.03	0.00	0.02½	0.02½	0.03 3/10	0.02½	0.03½	0.03½	0.03	0.02½
16,000 lb. ¾-in. steel	0.03	0.02 3/10	0.03	0.00	0.02½	0.02½	0.03 3/10	0.03	0.03½	0.03½	0.03½	0.02½
3200 lin.ft. railing	1.50	1.12	1.10	0.00	1.00	0.50	1.00	0.75	0.95	0.75	2.00	0.80
Extended totals	$105,618	$70,967	$72,345	.....	$68,872	$67,849	$84,458	$68,527	$78,297	$69,087	$98,335	$65,696
TYPE "C"												
50,530 cu.yd. earth excavation	0.90	0.48	0.50	0.00	0.40	0.45	0.52	0.48	0.48	0.47½	0.00	0.49
1000 cu.yd. rock excavation	4.00	2.60	3.00	0.00	2.00	1.00	2.50	1.50	3.00	3.00	0.00	1.00
4100 cu.yd. concrete	12.00	7.46	7.25	0.00	8.19½	8.73	9.60	8.15	8.63	7.90	0.00	6.80
239,000 lb. ¾-in. steel	0.03	0.04 3/10	0.03	0.00	0.02½	0.02½	0.03	0.02½	0.03½	0.03	0.00	0.02½
16,000 lb. ¾-in. steel	0.03	0.04 3/10	0.03	0.00	0.02½	0.02½	0.03	0.03	0.03½	0.03½	0.00	0.02½
3200 lin.ft. railing	1.50	1.12	1.10	0.00	1.00	0.50	1.00	0.75	0.95	0.75	0.00	0.80
Extended totals	$111,127	$71,989	$69,160	.....	$66,324	$66,869	$78,995	$68,024	$75,240	$69,522	.....	$62,575

	M	N	O	P	Q	R	S	T	U	V	W	X
56,900 cu.yd. earth excavation	$0.60	$0.00	$0.55	$0.40	$0.60	$0.45	$0.48	$0.46½	$0.63	$0.45	$0.00	$0.75
1000 cu.yd. rock excavation	2.50	0.75	1.75	1.75	3.50	1.00	2.60	2.00	2.30	2.50	0.00	2.00
8125 cu.yd. concrete	5.95	5.45	5.95	6.50	8.00	6.19	6.00	6.50	5.85	6.00	0.00	5.75
3200 lin.ft. railing	1.00	0.97	0.48½	0.80	0.50	1.50	1.25	0.75	0.80	0.65	0.00	0.90
Extended totals	$88,184	.....	$82,941	$79,882	$104,240	$81,699	$82,662	$83,671	$88,238	$78,935	.....	$94,334
TYPE "B"												
56,900 cu.yd. earth excavation	0.60	0.00	0.55	0.40	0.60	0.45	0.48	0.46½	0.63	0.45	0.66	0.75
1000 cu.yd. rock excavation	2.50	0.75	1.75	1.75	3.50	1.00	2.60	2.00	2.30	2.50	2.50	2.00
4100 cu.yd. concrete	8.00	7.68	8.39	6.75	12.00	8.47	9.40	9.88	8.65	8.00	7.45	7.50
239,000 lb. ¾-in. steel	0.03	0.02½	0.02½	0.02½	0.04½	0.04½	0.02½	0.02½	0.02½	0.03	0.02½	0.02½
16,000 lb. ¾-in. steel	0.03	0.02½	0.02½	0.02½	0.04	0.02½	0.02½	0.02½	0.02 3/10	0.03	0.02½	0.02½
3200 lin.ft. railing	1.00	0.97	0.48½	0.80	0.50	1.50	1.25	0.75	0.83	0.65	0.70	0.90
Extended totals	$80,290	.....	$75,391	$61,120	$98,640	$72,507	$78,189	$78,379	$82,659	$70,635	$79,214	$84,680
TYPE "C"												
50,530 cu.yd. earth excavation	60.00	0.00	0.55	0.40	0.60	0.45	0.48	0.46½	0.63	0.45	0.00	0.75
1000 cu.yd. rock excavation	2.50	0.75	1.75	1.75	3.50	1.00	2.60	2.00	2.30	2.50	0.00	2.00
4100 cu.yd. concrete	8.30	7.68	8.48	6.75	12.00	8.47	9.65	9.88	8.80	8.25	0.00	7.50
239,000 lb. ¾-in. steel	0.03	0.02½	0.02½	0.03	0.04	0.02½	0.02½	0.03½	0.02½	0.03	0.00	0.02½
16,000 lb. ¾-in. steel	0.03	0.02½	0.02½	0.02½	0.04	0.02½	0.02½	0.03½	0.02 3/10	0.03	0.00	0.02½
3200 lin.ft. railing	1.00	0.97	0.48½	0.80	0.50	0.00	1.25	0.75	0.00	0.65	0.00	0.90
Extended totals	$81,520	.....	$75,760	$59,767	$94,818	$64,840	$76,157	$76,692	$80,618	$71,660	.....	$79,902

Palestine, Tex.—An election will be held in this city July 2 to vote on the question of issuing $100,000 in bonds, the proceeds of which will be used for the construction of a high school.

Tulsa, Okla.—Bids will be received by A. W. Black & Son, Arch., Architects and Superintendents Security Bldg., St. Louis, Mo., for the construction of an eight- or ten-story, 50x140-ft., reinforced-concrete and brick office building, for S. Gallais. The estimated cost is $150,000. Noted June 3.

Mountain Home, Idaho—At a recent election the citizens voted against the question of issuing $50,000 in bonds, the proceeds of which was to have been used for the construction of a county court house. Noted May 6.

Tacoma, Wash.—Plans will soon be prepared for the construction of a five-story building for Nelson Bark. Estimated cost, $50,000.

Monmouth, Ore.—John V. Bennes, Arch., Portland, is preparing plans for the construction of a training school. The legislature has appropriated $50,000 for this work. J. Churchill is State Supt. of Schools. Noted Jan. 7.

Portland, Ore.—Plans have been prepared by Doyle & Patterson, Arch., Worcester Bldg., for the construction of a group of buildings for St. Helens Hall. The group will include a chapel, two-story school and a three-story dormitory. Estimated cost, $100,000. Noted Dec. 3.

Anaheim, Calif.—John Zeigler will construct a four-story hotel. The estimated cost is $45,000.

Berkeley, Calif.—Bids have been received for the construction of a concrete school on Telegraph Ave. between Stuart and Ward St. The estimated cost is $90,000.

Gilroy, Calif.—The Odd Fellows Lodge contemplates the construction of an addition to the orphans home. The estimated cost is $100,000.

Los Angeles, Calif.—Plans have been prepared by Rea & Garstang, Arch., for the construction of a grammar school in the shape of the letter "T" at Budlong Ave. near 59th St. Estimated cost, $50,000.

✚**Los Angeles, Calif.**—The LOS ANGELES PLANING MILL CO., 1812 Industrial St., Los Angeles, at $134,616, has been awarded the general contract for the construction of buildings for the Franklin High School on Ave. 54 between Irvington Pl. and Hub St. Noted May 20.

Oakland, Calif.—The Bishop Theater Co. will construct a theater and office building at Franklin near 14th St. The estimated cost is $100,000. Noted Mar. 11.

Oakland, Calif.—T. H. Williams will construct a ten-story store and hotel building at William St. and San Pablo Ave. The estimated cost is $100,000.

Oakland, Calif.—Bids will be received about July 5 by the Board of Supervisors for the construction of a two-story, juvenile court and detention home on 18th St. between Union and Poplar St. The estimated cost is $75,000. Henry Meyers is Arch.

Oakland, Calif.—Sommarstrom Bros. will construct a four-story apartment house at Alice and 14th St. Estimated cost, $75,000. Richardson & Burell is Arch.

Owensmouth, Calif.—C. W. Kent & Son, Glendale, at $62,200, submitted the lowest bid on the general contract for the construction of the Owensmouth High School. Dennis & Hewitt, 618 Fay Bldg., Los Angeles, is Arch. Noted May 27.

Sacramento, Calif.—The Gerard Investment Co. will construct a five-story store and hotel building on Fourth St. near Howard St. Estimated cost, $65,000. Rousseau & Rousseau, 110 Sutter St., San Francisco, is Arch.

✚**San Francisco, Calif.**—The Regents of the State University have awarded contracts for the foundation work and fireproofing for the hospital at the Affiliated Colleges, University of California, Second and Parnassus Ave., to the CLINTON FIREPROOFING CO. OF CALIFORNIA, Mutual Bank Bldg., San Francisco, at $67,875. Noted Apr. 8.

London, Ont.—T. E. Karn, Mgr., Royal Bank, London, is having plans prepared for the construction of a five-story building. The estimated cost is $125,000.

Toronto, Ont.—Plans have been approved by the Canadian Pacific Ry. and the Canadian Northern Ry. for the construction of the new Union Station at North Toronto. The cost is estimated at $1,000,000. M. H. MacLeod, Winnipeg, Man., is Gen. Mgr. and Ch. Engr. of the Canadian Northern Ry. Noted Jan. 21 and May 6.

SEWAGE TREATMENT PLANT—RITTMAN, OHIO

✚Bids were received May 25 by Vance Hickin, Clk., for the construction of a sewage-treatment plant from (A) Thomas P. Egan, Cleveland, (B) W. S. Newhall, Cleveland, (C) C. A. PIERCE, Rittman (awarded contract), (D) Kent Construction Co., Kent, (E) T. Wildeson, Mansfield, (F) Pitt Construction Co., Pittsburgh, Penn., (G) J. N. Bick, Toledo, (H) Duquesne Construction Co., Pittsburgh, Penn., (I) J. C. Devine Co., Alliance, (J) C. N. Haggart, Pittsburgh, Penn., (K) Lowensohn & Ule, Cleveland, (L) R. T. Bailey, Kent, (M) W. H. Ralston, Mt. Vernon. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M
5214 cu.yd. earth excavation	$0.44	$0.55	$0.30	$0.39	$0.65	$0.60	$0.60	$0.70	$0.70	$1.00	$0.50	$0.59	$0.75
3342 cu.yd. rolled embankment	.10	.18	.10	.15	.10	.20	.15	.25	.25	.20	.25	.24	.20
446 cu.yd. plain concrete	6.25	7.20	8.25	7.82	6.50	8.00	8.00	9.50	10.00	6.50	9.00	7.75	8.00
290 cu.yd. reinforced concrete	11.50	14.40	11.50	17.80	15.00	12.00	13.50	16.00	18.00	12.00	18.50	15.00	15.00
6900 cu.yd. filtering material, Class "A" sand	1.96	1.68	1.53	1.70	1.80	1.60	1.50	1.75	1.70	1.60	1.60	1.25	1.66
1220 cu.yd. filtering materialClass "B" gravel	2.30	1.92	1.85	2.00	1.80	1.80	1.65	2.00	2.00	1.80	1.70	1.25	1.90
4660 lin.ft. vitrified pipe 4 in.	.09	.14	.08	.07	.12	.10	.15	.18	.10	.09	.12	.17	.12
408 lin.ft. vitrified pipe 6 in.	.14	.17	.12	.13	.16	.15	.30	.20	.15	.27	.15	.30	.15
372 lin.ft. vitrified pipe 8 in.	.19	.21	.16	.18	.20	.20	.35	.25	.15	.22	.20	.40	.20
268 lin.ft. vitrified pipe 10 in.	.26	.40	.22	.22	.28	.25	.40	.30	.25	.35	.25	.60	.25
1355 lin.ft. vitrified pipe 12 in.	.37	.46	.65	.26	.30	.30	.45	.42	.35	.40	.30	.90	.35
500 lin.ft. vitrified pipe 15 in.	.49	.83	.84	.47	.40	.40	.50	.70	.40	.70	.40	1.00	.35
1200 lin.ft. drain tile 4 in.	.04	.08	.04	.06	.10	.05	.06	.08	.10	.09	.06	.18	.10
2 brick manholes with appurtenances	45.00	30.00	50.00	26.00	35.00	35.00	45.00	40.00	30.00	46.00	30.00	40.00	50.00
35 tons C. I. B. & S. pipe	52.00	50.00	37.00	60.00	40.00	60.00	60.00	65.00	40.00	66.00	70.00	50.00	60.00
80 lin.ft. w.i. pipe 1¼ in.	1.03	.20	.75	.25	.10	.50	.40	.25	.50	.60	.15	.37	.15
100 lin.ft. w.i. pipe 1 in.	.30	.15	.50	.22	.10	.30	.40	.25	.50	.30	.12	.35	.15
Gate valves and shear gates	580.25	560.00	800.00	18.00	681.75	650.00	821.00	750.00	800.00	800.00	600.00	800.00	800.00
Miscellaneous and wood work (lump sum)	1252.81	1645.00	1000.00	932.00	698.60	1000.00	1425.00	660.00	1200.00	1400.00	1300.00	500.00	1750.00
Controlling apparatus (lump sum)	714.00	720.00	625.00	700.00	750.00	600.00	800.00	615.00	700.00	750.00	700.00	800.00	1000.00
Pumps and pumping equipment (lump sum)	1453.72	1200.00	1000.00	1300.00	1217.50	1300.00	1400.00	1175.00	1500.00	2100.00	1300.00	1800.00	1000.00
Pump house (lump sum)	605.00	660.00	500.00	700.00	407.75	1000.00	525.00	500.00	500.00	600.00	800.00	1900.00	450.00
Per lb. additional reinforcing steel	.025	.04	.06	.04	.03	.03	.15	.05	.05	.035	.04	.06	.025
Per M ft. additional lumber	60.00	75.00	70.00	50.00	40.00	30.00	60.00	100.00	60.00	40.00	50.00	52.00	30.00
Per M ft. sheeting and shoring in place	30.00	30.00	40.00	45.00	35.00	25.00	60.00	50.00	50.00	35.00	25.00	60.00	15.00
Extended totals	$33,120	$33,458	$29,046	$32,302	$32,332	$32,205	$32,699	$35,681	$36,029	$35,332	$34,609	$32,689	$35,027

CALCASIEU RIVER BRIDGE, LAKE CHARLES, LA.

✚Bids were received June 1 by the Police Jury of Calcasieu Parish, Lake Charles, La., for the construction of a bridge, consisting of six reinforced-concrete spans and a Strauss bascule span, over the Calcasieu River from: (A) MISSOURI VALLEY BRIDGE & IRON CO., Leavenworth, Kan., and FRUIN-COLNON CO., St. Louis, Mo. (awarded contract for reinforced-concrete spans); (B) Hardaway Contracting Co., (C) Midland Bridge Co.; (D) Hackedorn Contracting Co.; (E) FEDERAL BRIDGE CO., Waukesha, Wis., and MISSOURI VALLEY BRIDGE & IRON CO. (awarded contract for bascule span); (F) Penn Bridge Co., (G) Sterling Engineering Co.; (H) Vincennes Bridge Co. The item bids were as follows:

Reinforced-concrete Arches	A	B	C	D
1544 cu.yd. concrete, 1-2-4	$12.60	$11.50	$19.00	$32.50
1846 cu.yd. concrete, 1-3-6	11.60	15.75	25.50	26.50
161,300 lb. steel reinforcement	0.03	0.02½	0.0336	0.03
14,240 lin.ft. wooden piling	0.50	0.50	0.75	0.50
1465 sq.yd. bituminous pavement	0.75	1.50	0.95	1.40
Extended totals	$53,924	$81,319	$93,900	$113,109

Strauss Bascule Span	E	B	C	F	G	H
168,000 lb. structural steel	$0.0365	.....	$0.042	$0.041	$0.0375	$0.039
22,500 lb. machinery steel	0.10	.....	0.138	0.11	0.135	0.16
Erection (lump sum)	9532.00	.....	13,400.00	10,900.00	13,141.00	13,562.00
Additional scrap metal, per ton	20.00	.....	20.00	17.00	12.00	12.00
Extended totals	$17,914	$21,311	$23,561	$22,263	$22,378	$23,714

CATALOG NOTICES

The Studebaker Corporation, South Bend, Ind. Serial No. 994. Clean Streets. Illustrated, 5x8 in.

The Q. & C. Co., 90 West St., New York. Catalog. Ross-Schofield System of Circulation for Locomotive Boilers. Illustrated, 16 pp., 9x12 in.

Sullivan Machinery Co., 122 S. Michigan Ave., Chicago, Ill. Bulletin No. 66-G. Air-feed stoping drills. Illustrated, 12 pp., 6x9 in. Blue Booklet No. 115. Air compressors. Illustrated, 32 pp., 3x5½ in.

Smith Engineering Works, Milwaukee, Wis. Catalog No. 254. Rock, ore and gravel handling machinery. Illustrated, 46 pp., 6x9 in.

Koehring Machine Co., Milwaukee, Wis. Catalog No. 20. Concrete mixers, bar benders, bar cutters. Illustrated, 96 pp., 7½x10½ in.

Lackawanna Steel Co., Lackawanna, N. Y. Bulletin No. 108. Steel sheet piling. Illustrated, 78 pp., 8x10½ in.

Link-Belt Co., Philadelphia, Penn. Bulletin No. 221. Circular storage system for storing coal, stone, etc. Illustrated, 4 pp., 6x9 in.

The Humphreys Mfg. Co., Mansfield, Ohio. Catalog No. 102. Hand and power water supply systems. Illustrated, 64 pp., 6x9 in.

Scranton Pump Co., Scranton, Penn. Bulletin No. 102. Duplex plunger pumps. Illustrated, 12 pp., 6x9 in.

Chicago Pneumatic Tool Co., Fisher Building, Chicago, Ill. Instructions for installing and operating Class N-SO fuel oil driven compressors. Illustrated, 24 pp., 6x9 in.

Keuffel & Esser Co., Hoboken, N. J. Circular, Brunton slope chart. Illustrated.

Contracts to Be Let

Bids received until June 29, 1915.

Water-Works, Pump Station, Reservoir and Mains

Rittman, Ohio.

Sealed proposals will be received by the Clerk of Council, at Rittman, Ohio, in the Council Chamber, until 1 o'clock P.M., Central Standard Time, of the 29th day of June, 1915, and then publicly opened and read, for the construction of a Water-Works for the Village.

The work to be done includes the construction of a pump station, 200,000-gallon reinforced-concrete reservoir, and approximately 8 miles of water mains, 4″ to 8″ in size.

Bids will be made on the work as a whole.

Each proposal shall be accompanied by a certified check for ten (10%) per cent. of the amount of the proposal, or by a bond with surety satisfactory to the Village Council.

The contract bond will be for fifty (50%) per cent. of the amount of the contract.

Copies of the plans, proposal forms, specifications and forms of bonds and contract can be seen at the office of the Clerk of Council, Rittman, Ohio; or may be obtained by prospective bidders upon depositing Ten ($10.00) Dollars with W. F. Peters, Engineer, Medina, Ohio, or R. Winthrop Pratt, Consulting Engineer, Hippodrome Bldg., Cleveland, Ohio, which sum will be refunded upon the return of plans and specifications within ten (10) days after the contract is awarded, if same are in good condition when returned. Copies of the specifications alone may be obtained upon depositing Two ($2.00) Dollars.

The Village Council reserves the right to reject any or all bids, waive any informalities in the bids received and to accept any bids which it deems most favorable to the Village of Rittman, Ohio.

By order of the Village Council.

VANCE HICKIN, Clerk.

Bids received until June 22, 1915.

Sewerage Extensions

Scarsdale, New York.

Sealed Proposals, for the construction of sewerage extensions in Scarsdale, New York, will be received until 8 P.M. on June 22, 1915, and will then be publicly opened and read by the Sewer Commissioners, or their successors, at a meeting to be held in the Town Hall of Scarsdale.

Plans and specifications may be seen, and blank forms of proposal obtained, at the office of Waring, Chapman & Farquhar, civil engineers, 874 Broadway, New York City.

A charge of $3.00 will be made for plans and specifications furnished to applicants therefor.

Each proposal must be made on one of the blank forms provided, and must be accompanied by a certified check.

The proposed work is in three divisions, for which contracts may be awarded separately, or for two or all divisions.

The approximate quantities, amount of certified check, and time to be allowed for construction, are as follows:

Division A: 4200 lineal feet of 8″ and 10″ sewers.
Check $500.00. Time, 3 months.
Division B: 3700 lineal feet of 8″ sewers.
Check $500.00. Time, 3 months.
Division C: 15,600 lineal feet of 8″ and 10″ sewers.
Check $1,000.00. Time, 5 months.

The amount of bond for faithful performance, to be furnished when the contract is executed, is to be the same amount as the total contract price for the work, as computed from the accepted bid or bids.

The Sewer Commissioners reserve the right to reject any or all bids.

JOHN R. ROSS,
ALBERT C. DAVIS,
GEORGE A. HARWOOD,
Sewer Commissioners of Sewer District No. 1, Town of Scarsdale, New York.

Bids received until June 29, 1915.

Water-Works Pumping Equipment

Rittman, Ohio.

Sealed proposals will be received by the Clerk of Council, at Rittman, Ohio, in the Council Chamber, until 1 o'clock P.M., Central Standard Time, of the 29th day of June, 1915, and then publicly opened and read, for Water-Works Pumping Equipment.

The work to be done includes a 50 H.P. horizontal gas engine, a triplex pump of 400 gallons per minute capacity, 2 air compressors, motor driven multi-stage centrifugal pump, of 200 gallons per minute capacity, and other necessary pumping equipment.

Bids will be made on the work as a whole.

Each proposal shall be accompanied by a certified check for ten (10%) per cent. of the amount of proposal, or by a bond with surety satisfactory to the Village Council.

The contract bond will be for fifty (50%) per cent. of the amount of the contract.

Copies of the plans, proposal forms, specifications and forms of bonds and contract can be seen at the office of the Clerk of Council, Rittman, Ohio; or may be obtained by prospective bidders upon depositing Five ($5.00) Dollars with W. F. Peters, Engineer, Medina, Ohio, or R. Winthrop Pratt, Consulting Engineer, Hippodrome Bldg., Cleveland, Ohio, which sum will be refunded upon the return of plans and specifications within ten (10) days after the contract is awarded, if same are in good condition when returned. Copies of the specifications alone may be obtained upon depositing Two ($2.00) Dollars.

The Village Council reserves the right to reject any or all bids, waive any informalities in the bids received and to accept any bids which it deems most favorable to the Village of Rittman, Ohio.

By order of the Village Council.

VANCE HICKIN, Clerk.

Bids received until July 7, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS,
Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock p.m. on Wednesday, the 7th day of July, 1915, for the repair of highways in the following counties:

Albany (two contracts—resurfacing); Broome (one contract); Cayuga (two contracts—Resurfacing and Surface Treatment); Columbia (4 contracts—Surface Treatment); Delaware (one contract—Surface Treatment); Dutchess (one contract—Resurfacing); Erie (one contract—Resurfacing); Franklin (one contract—Surface Treatment); Greene (one contract—Surface Treatment); Herkimer (one contract—Resurfacing); Madison (one contract—Resurfacing); Monroe (one contract—Resurfacing); Oneida (5 contracts—Resurfacing and Surface Treatment); Ontario (two contracts—Resurfacing and Surface Treatment); Orange (one contract—Surface Treatment); Rensselaer (one contract—Resurfacing); Rockland (two contracts—Resurfacing); Saratoga (one contract—Resurfacing); St. Lawrence (two contracts—surface treatment); Schenectady (one contract—Surface Treatment); Suffolk (one contract—Surface Treatment); Westchester (one contract—Surface Treatment).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose divisions the contracts are to be repaired. The addresses of the Division Engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "Information for Bidders" in the itemized proposal, specifications and contract agreement.

EDWIN DUFFEY, Commissioner.

I. J. MORRIS, Secretary.